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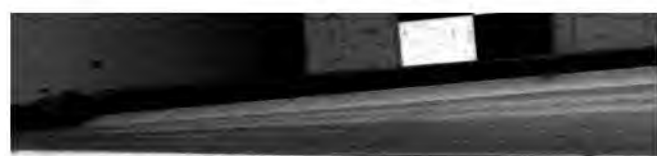


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263.

SIX SHILLINGS.

No. 1.

BRITISH
FRESH-WATER ALGÆ.

EXCLUSIVE OF
DESMIDIDÆ AND DIATOMACEÆ.

With Coloured Plates.



BY

M. C. COOKE, M.A., LL.D., A.L.S.,

*Author of "Handbook of British Fungi," "Mycorrhizæ," "Illustrations
of British Fungi," &c., &c.*

I. PALMELLACEÆ.

WILLIAMS AND NORGATE,
HENRIETTA STREET, COVENT GARDEN, LONDON;
SOUTH FREDERICK STREET, EDINBURGH.
LEIPZIG: F. A. BROCKHAUS. NEW YORK: WESTERMAN & CO.

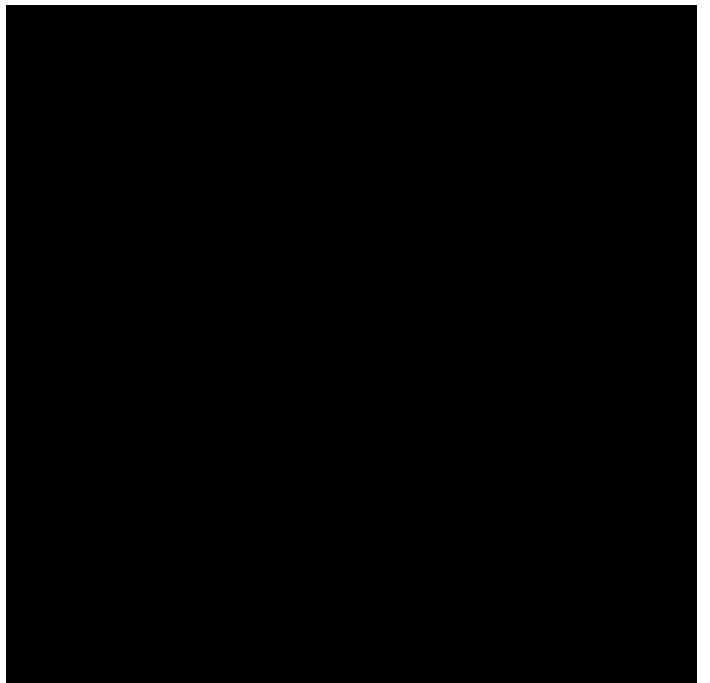
1882.

JOHN W. BAKER, PRINTER, LONDON.





BRITISH .
FRESH-WATER ALGÆ.
VOL. II.





BRITISH
FRESH-WATER ALGÆ.

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DESMIDIEÆ AND DIATOMACEÆ.

BY
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VOL. II. PLATES.

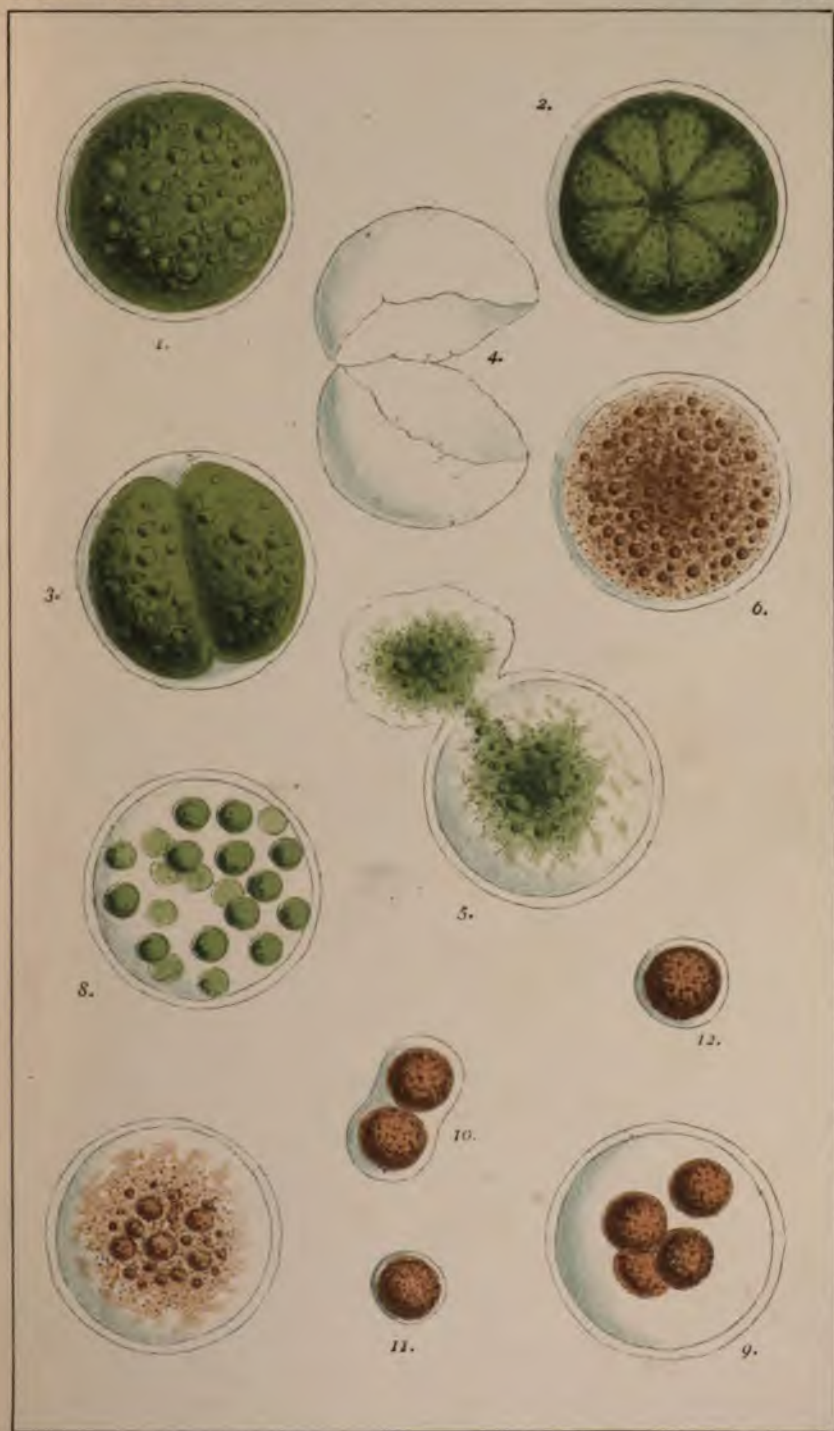
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HENRIETTA STREET, COVENT GARDEN, LONDON;
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1882—1884.

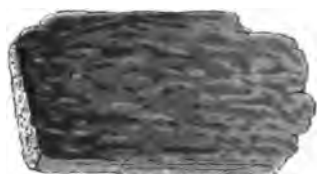
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*Eremosphæra viridis*. DBy.





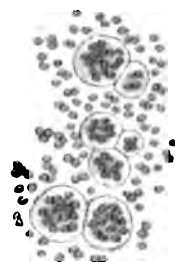
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1. b. x 400.



2. x 400.



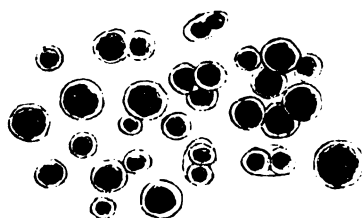
3. x 400.



4. x 400.



4. x 400.



5. x 400.



6. x 400.

1. *Pleurococcus vulgaris*. Men.

3. *Pleurococcus mucosus*. Kutz.

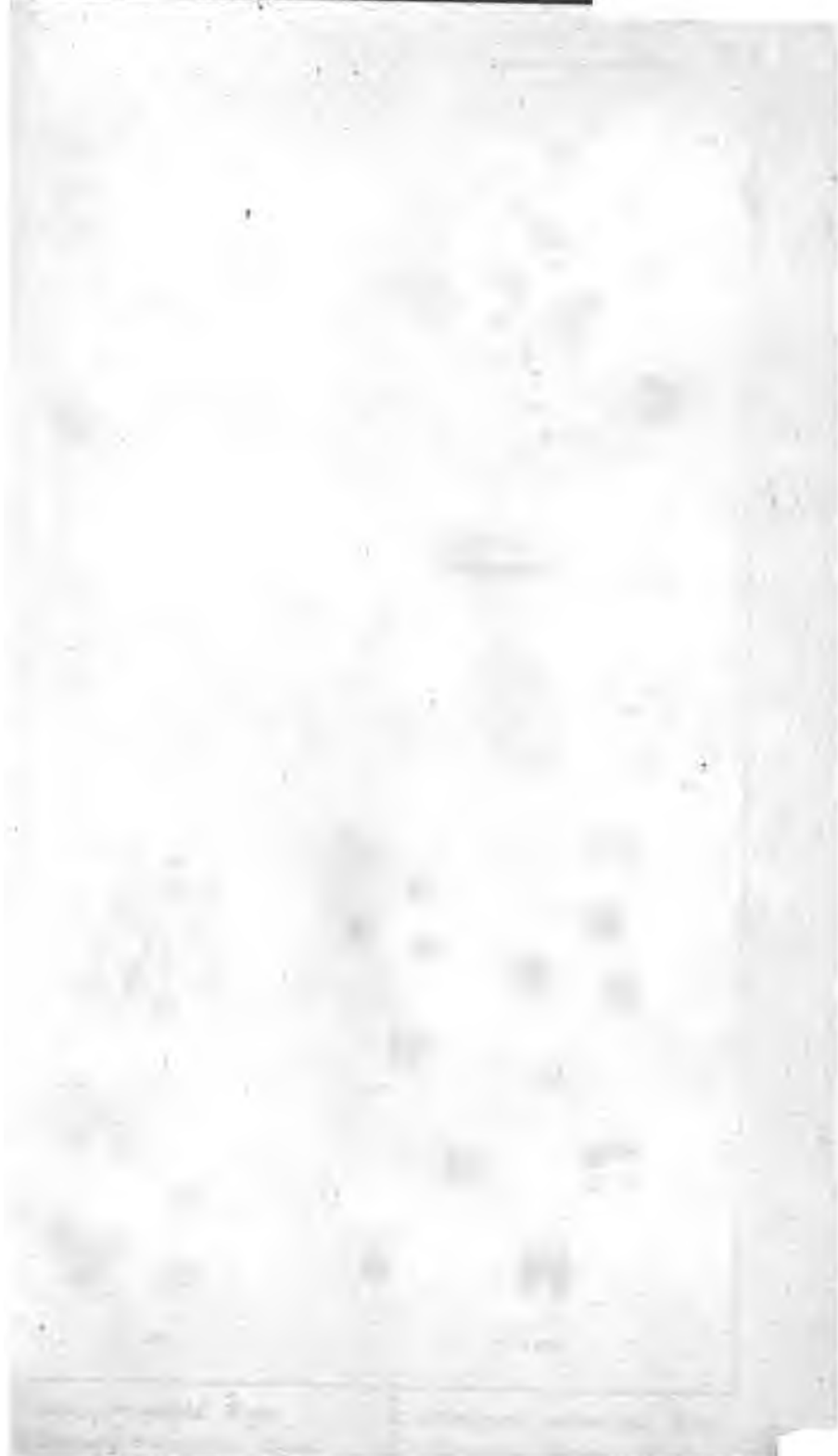
5. *Pleurococcus miniatus*. Kutz.

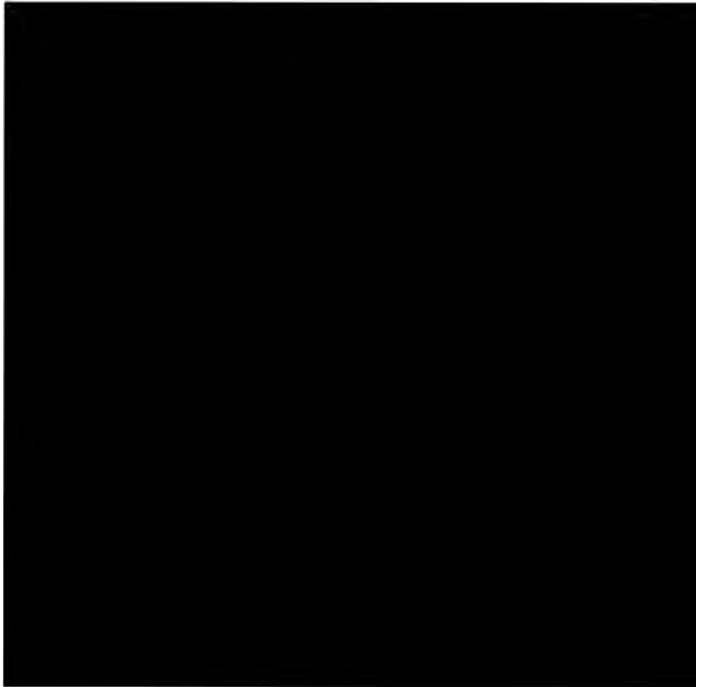
2. *Pleurococcus angulosus*. Men.

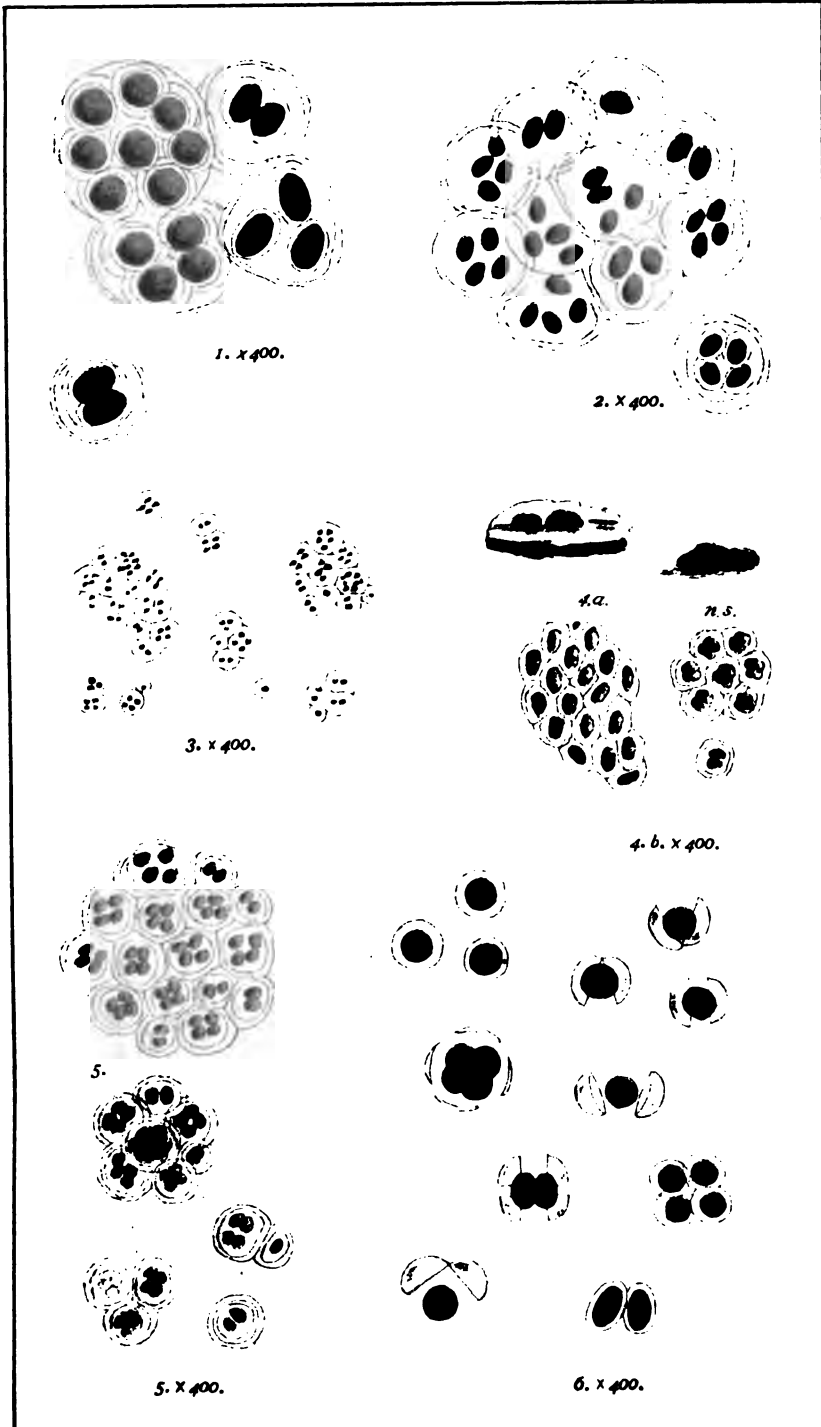
4. *Pleurococcus Beigelii*. Kuch.

6. *Pleurococcus roseo-persicinus*. Kutz.









1. *Glæocystis ampla*. Kutz.

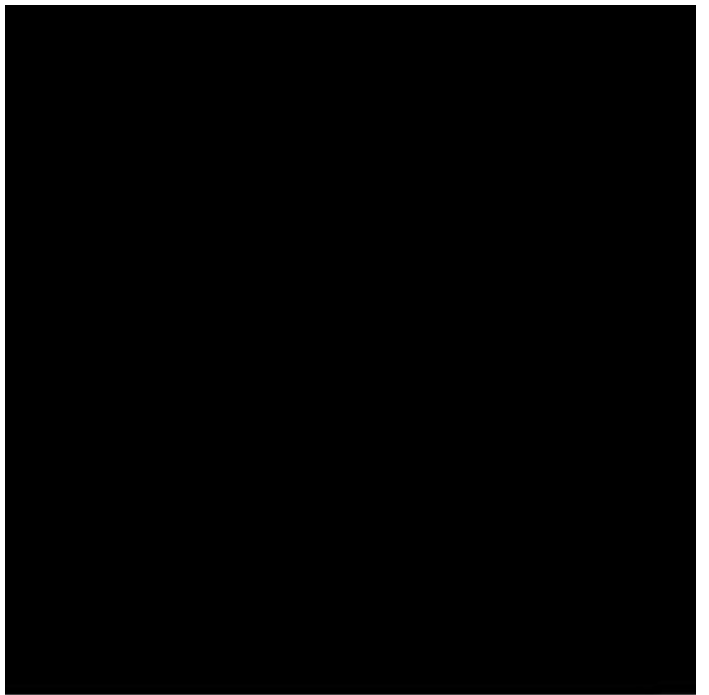
2. *Glæocystis vesiculosa*. Nag.

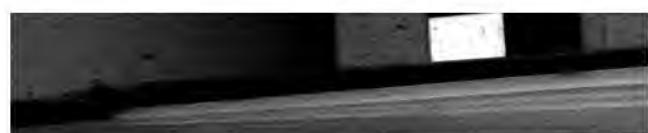
3. *Glæocystis botryoides*. Kutz.

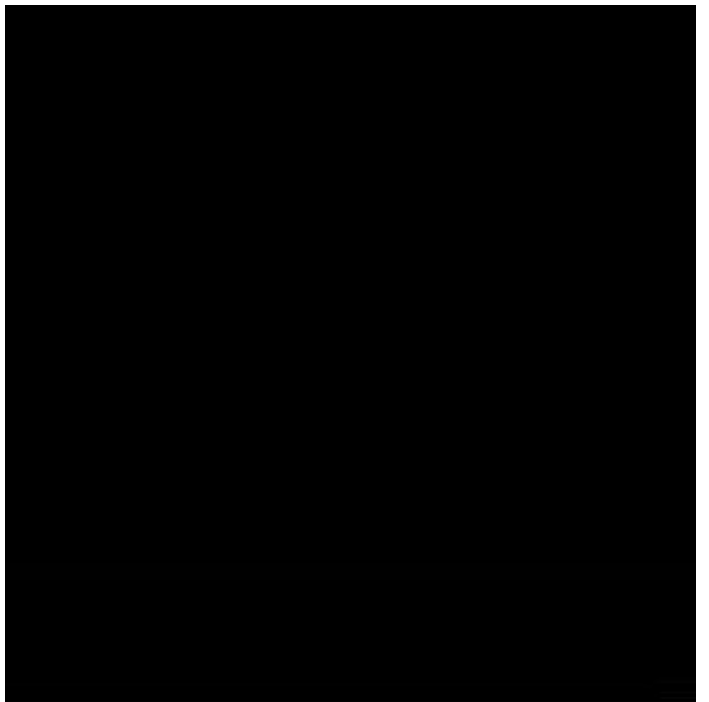
4. *Glæocystis adnata*. Huds.

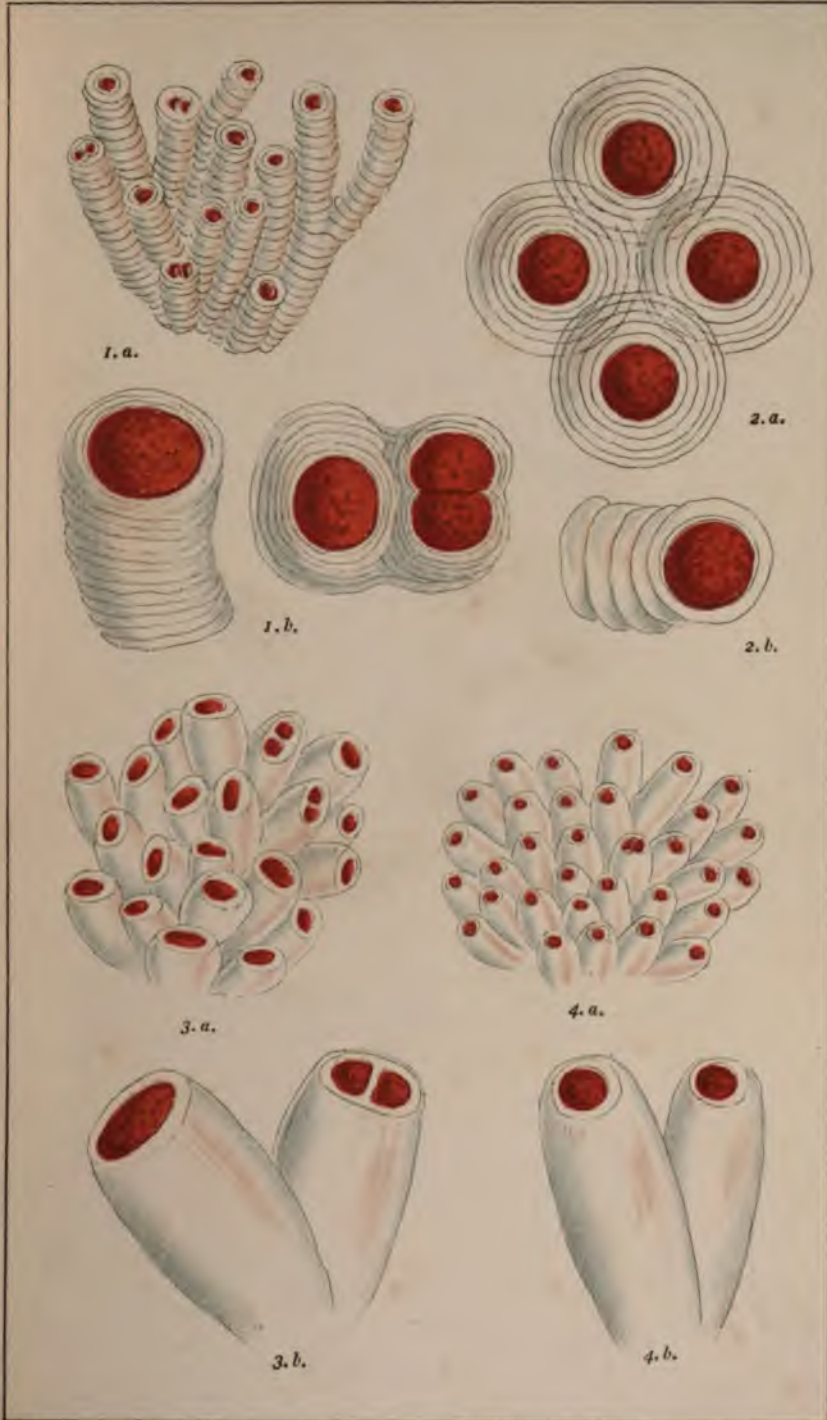
5. *Glæocystis Paroliniana*. Nag.

6. *Schizochlamys gelatinosa*. Br.



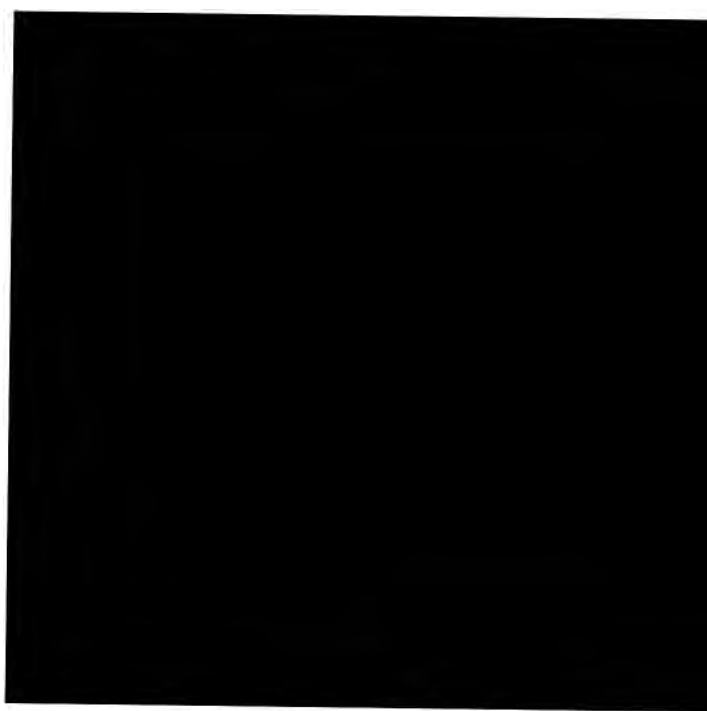




1. *Urococcus Hookerianus*, Hass.2. *Urococcus insignis* Hass.3. *Urococcus Almanni* Hass.4. *Urococcus cryptophilus*. Hass.





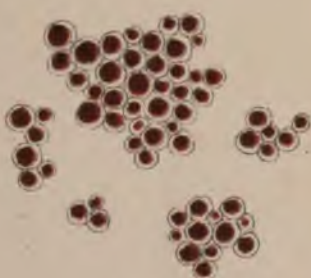


1. $\times 400$.2. $\times 400$.3. a. $\times 400$.3. b. $\times 800$.

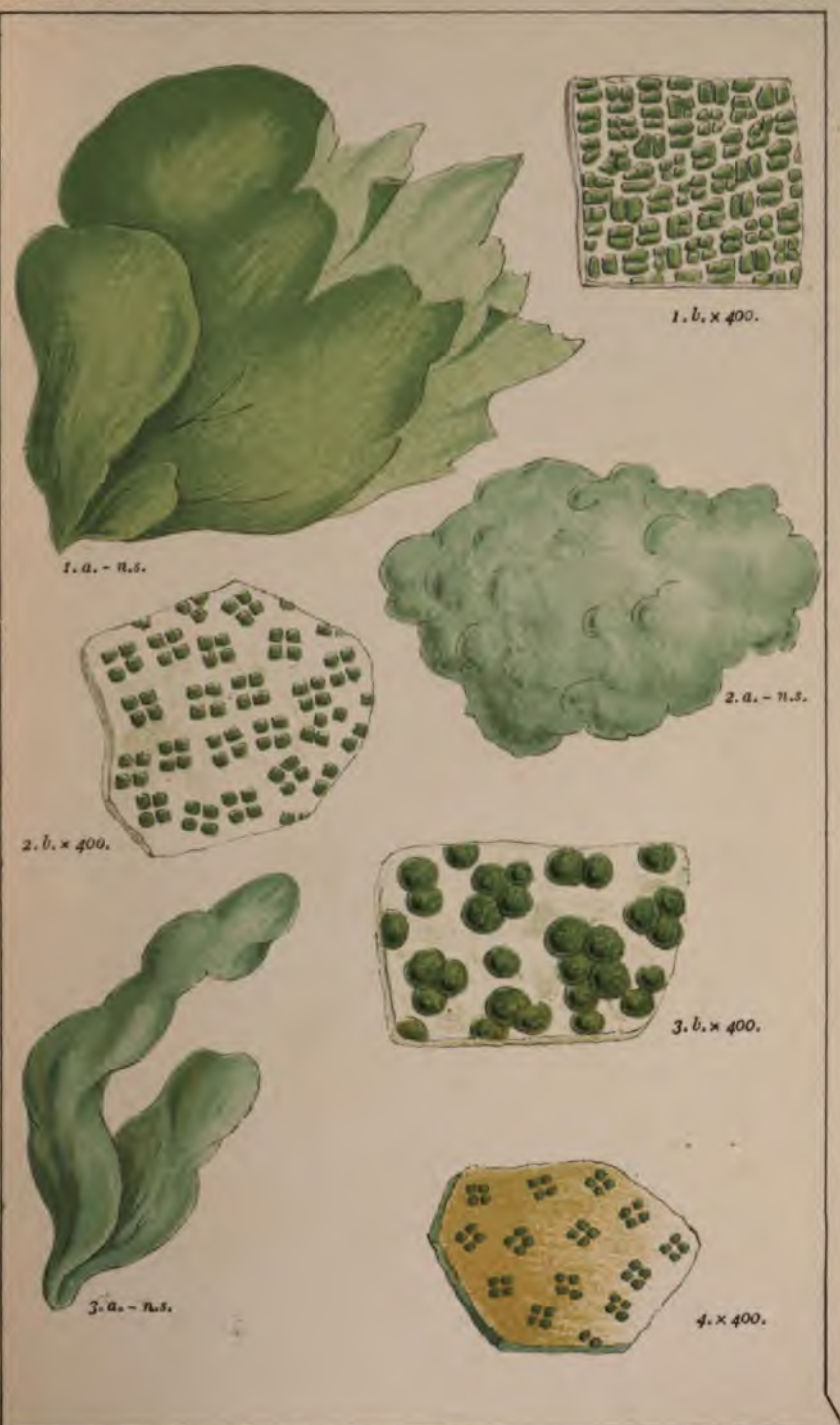
4. a. - n.s.

5. a. $\times 400$.5. b. $\times 800$.4. b. $\times 400$.

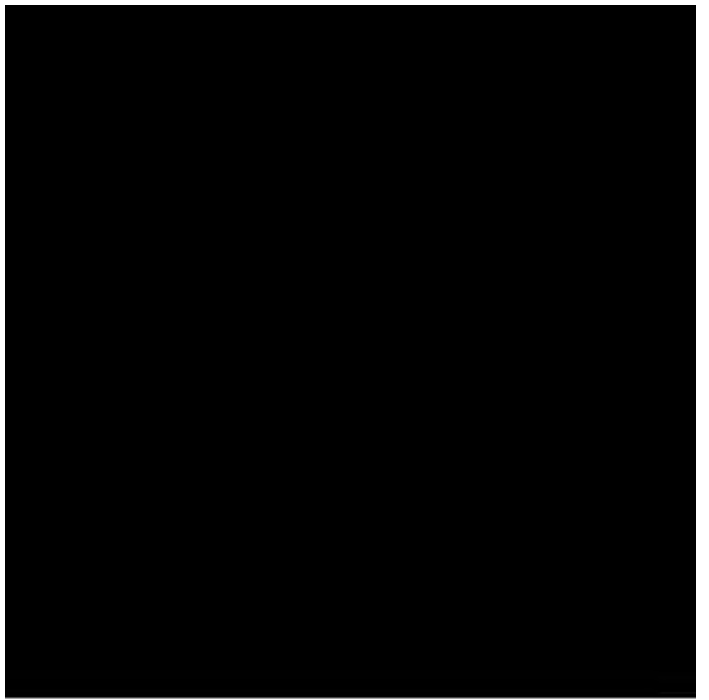
6. a. - n.s.

6. b. $\times 400$.1. *Palmella mucosa*. Kutz.2. *Palmella miniata*. v. *æqualis*. Nag.3. *Palmella hyalina*. Freb.4. *Palmella Mooreana*. Harv.5. *Palmella prodigiosa*. Elor.6. *Porphyridium cruentum*. Ag.

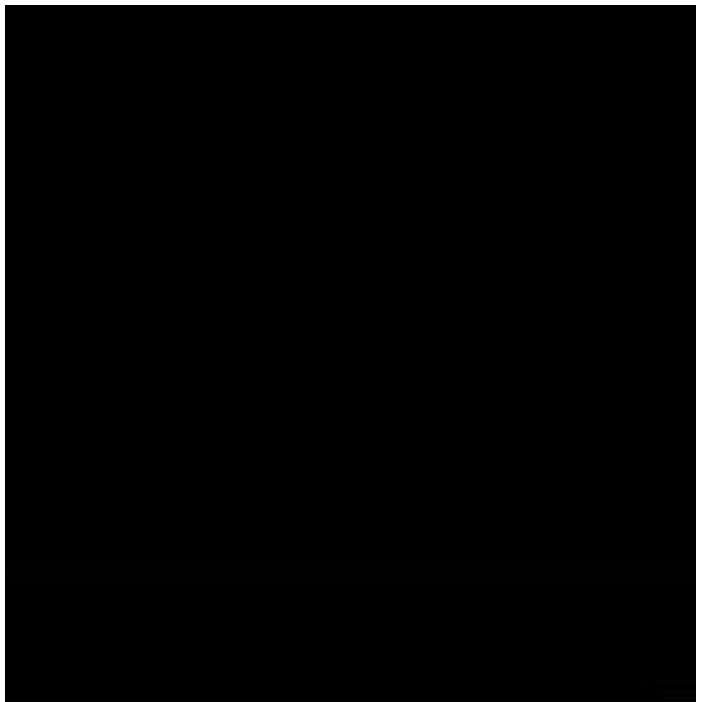




1. *Tetraspora bullosa* fig. 2. *Tetraspora gelatinosa* Desu.
 3. *Tetraspora lubrica* Ag. 4. *Tetraspora flava* Hass.



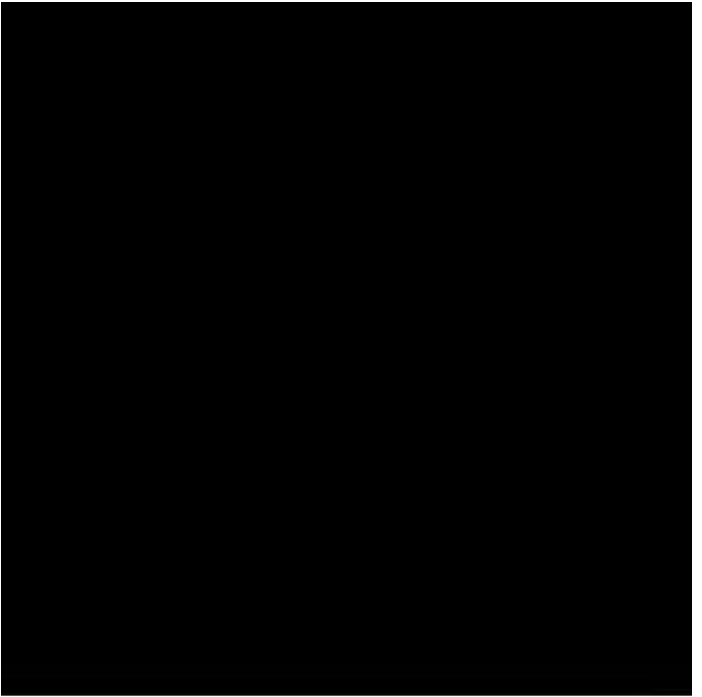
1. *Apicystis Brauniana*. Nag.2. *Botryococcus Braunii*. Kutz.

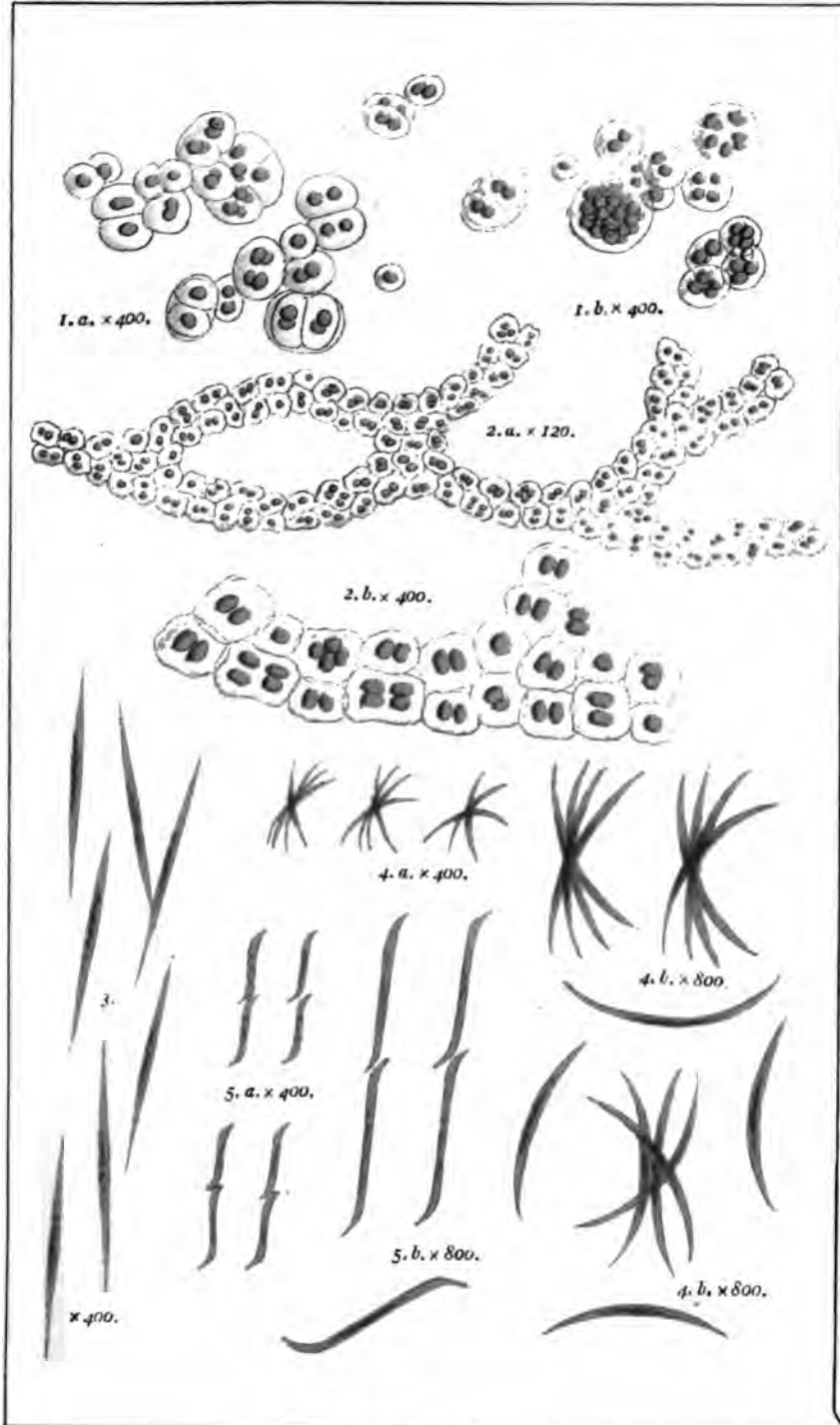






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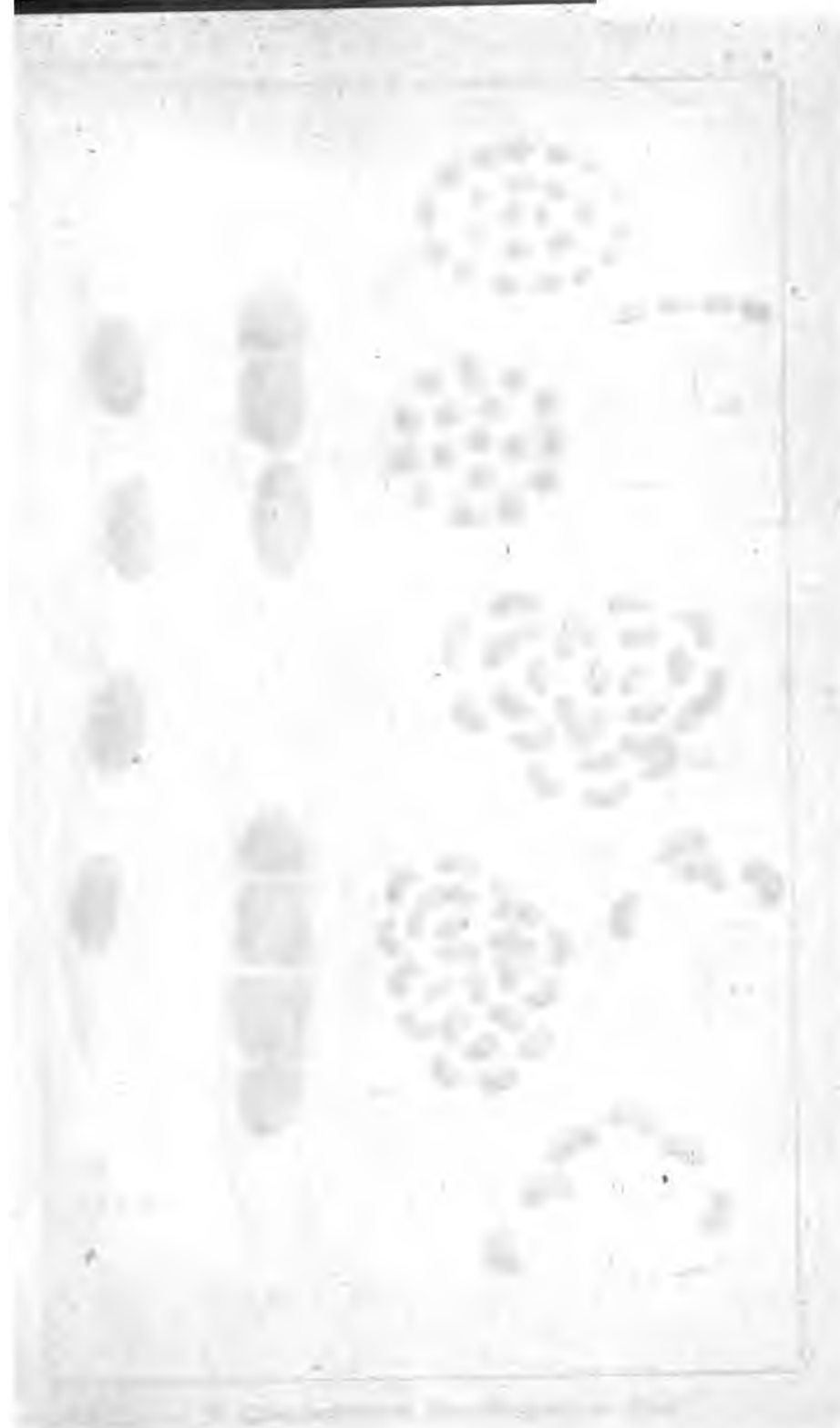
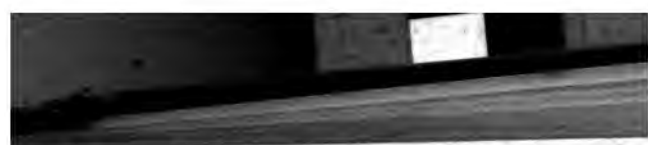
1. *Glæocystis rupestris*. Lyng.

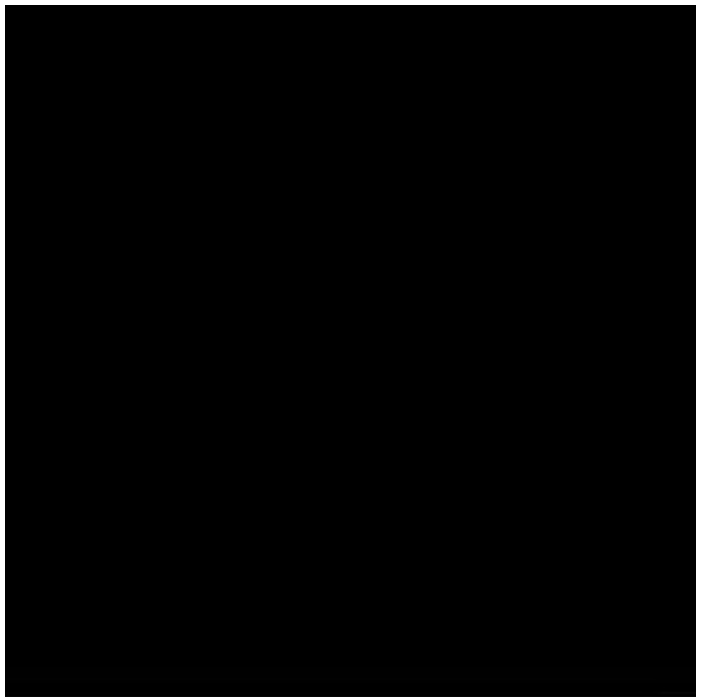
3. *Rhaphidium aciculare* Br.

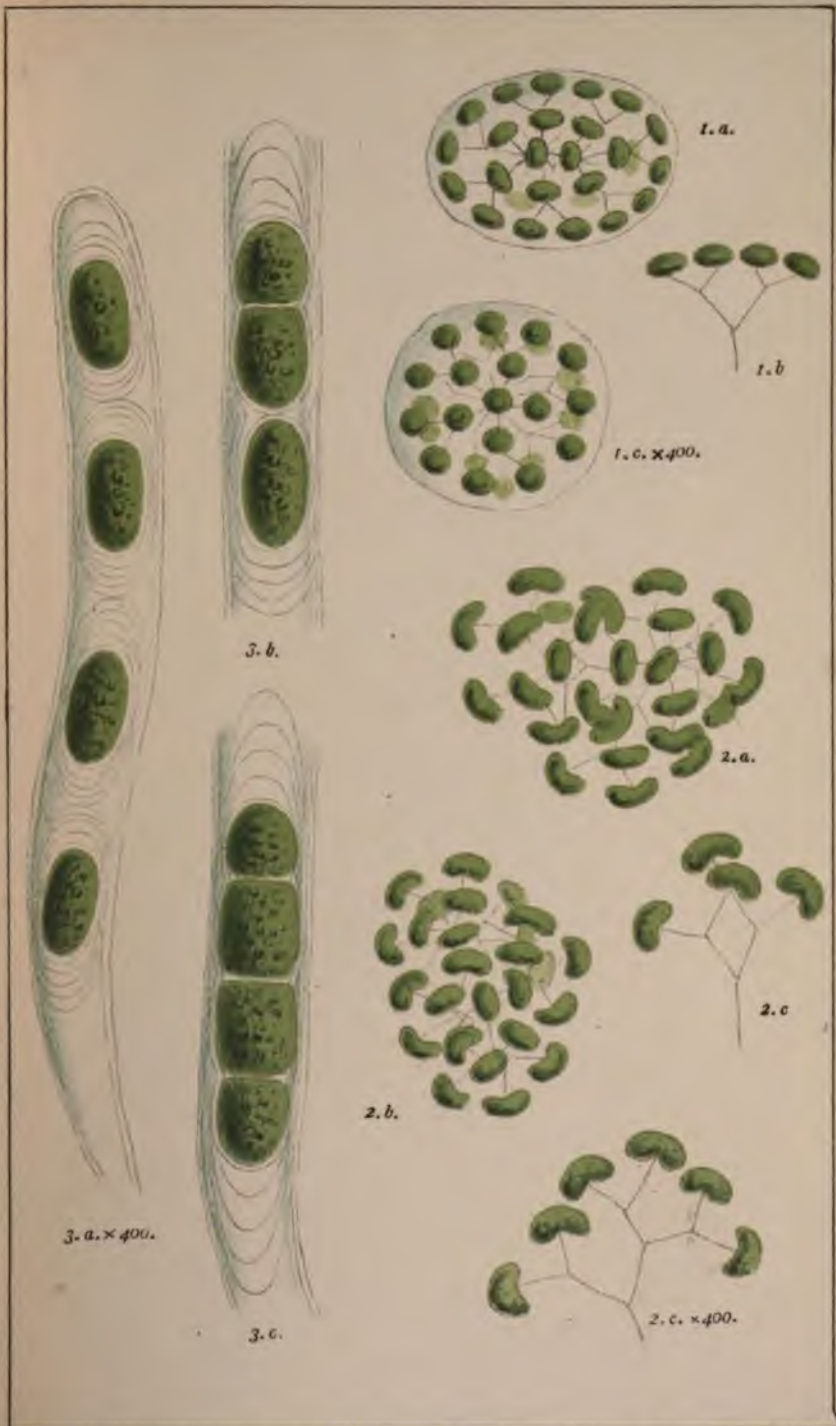
2. *Palmodietyon viride*. Kutz.

4. *Rhaphidium falcatum*. Rabh.









1. *Dietyosphaerium Ehrenbergianum*. Nag.

2. *Dietyosphaerium reniforme*. Buln.





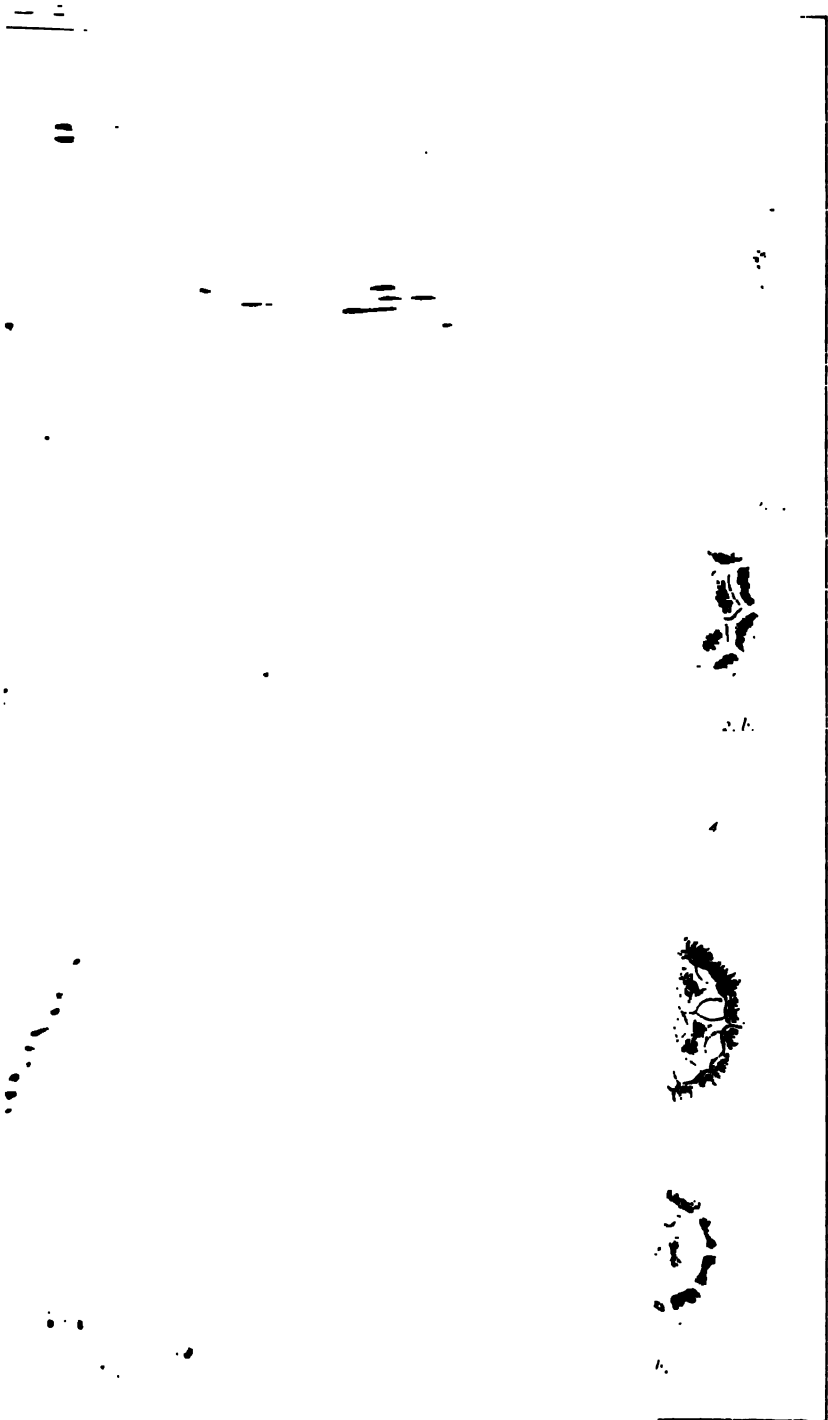
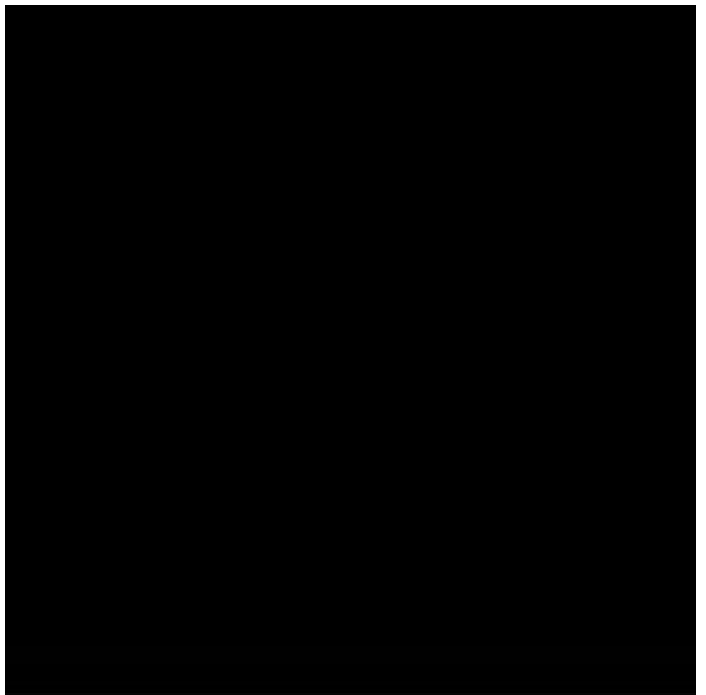
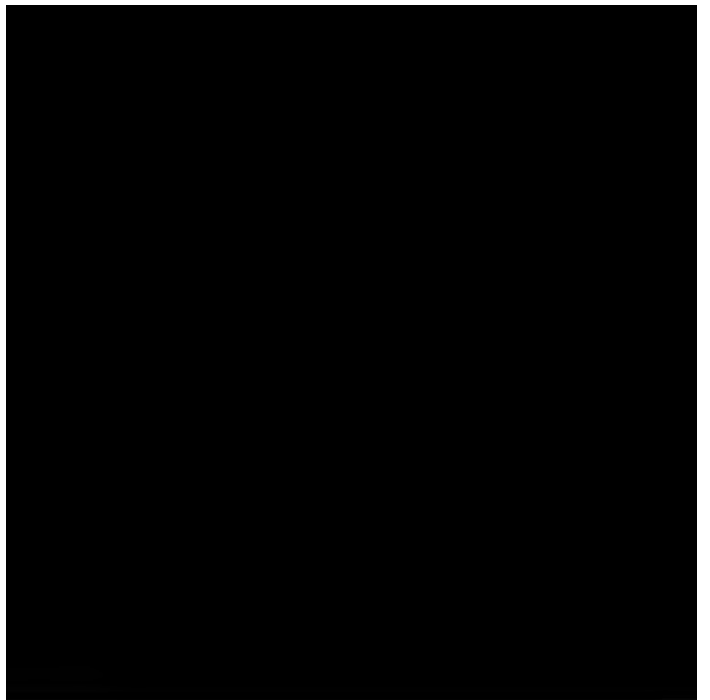
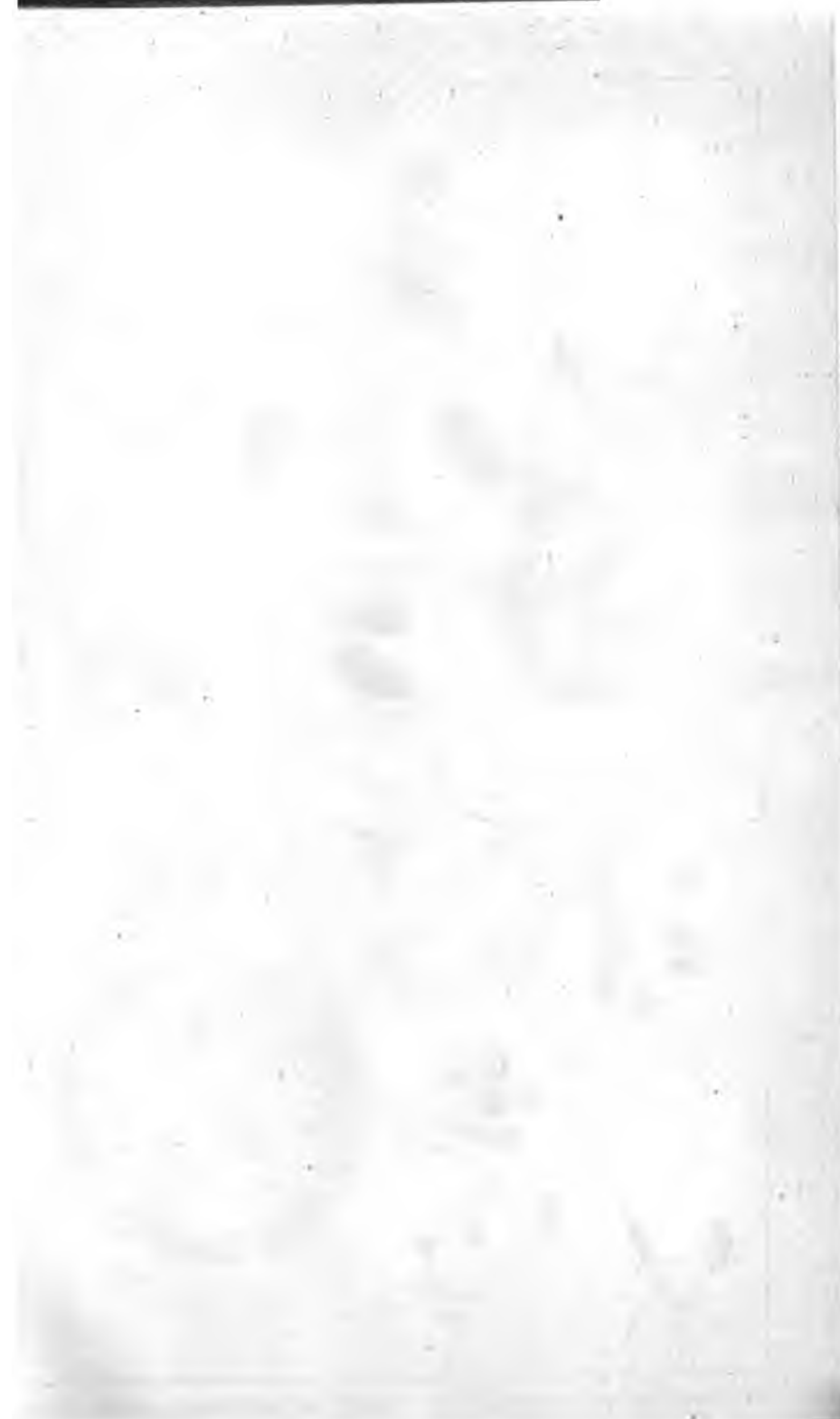


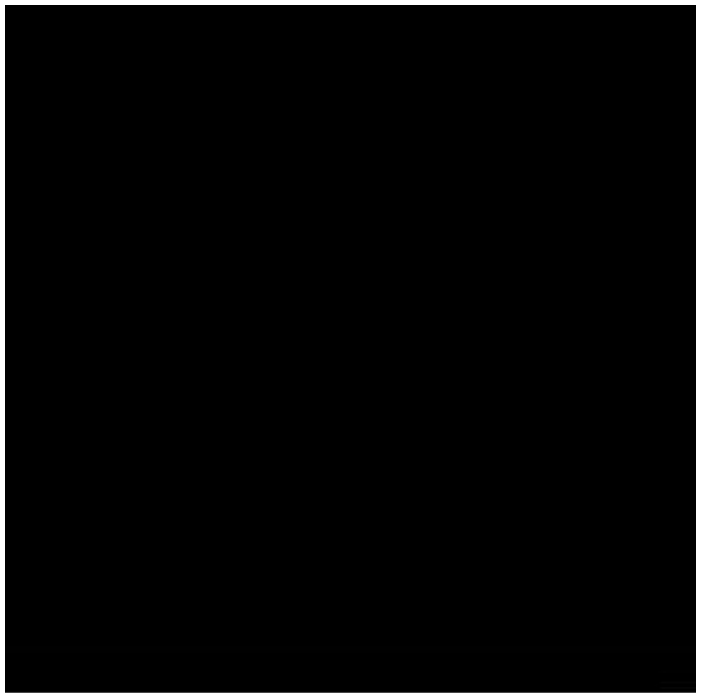
Figure 1. A sparse distribution of points in a rectangular frame.

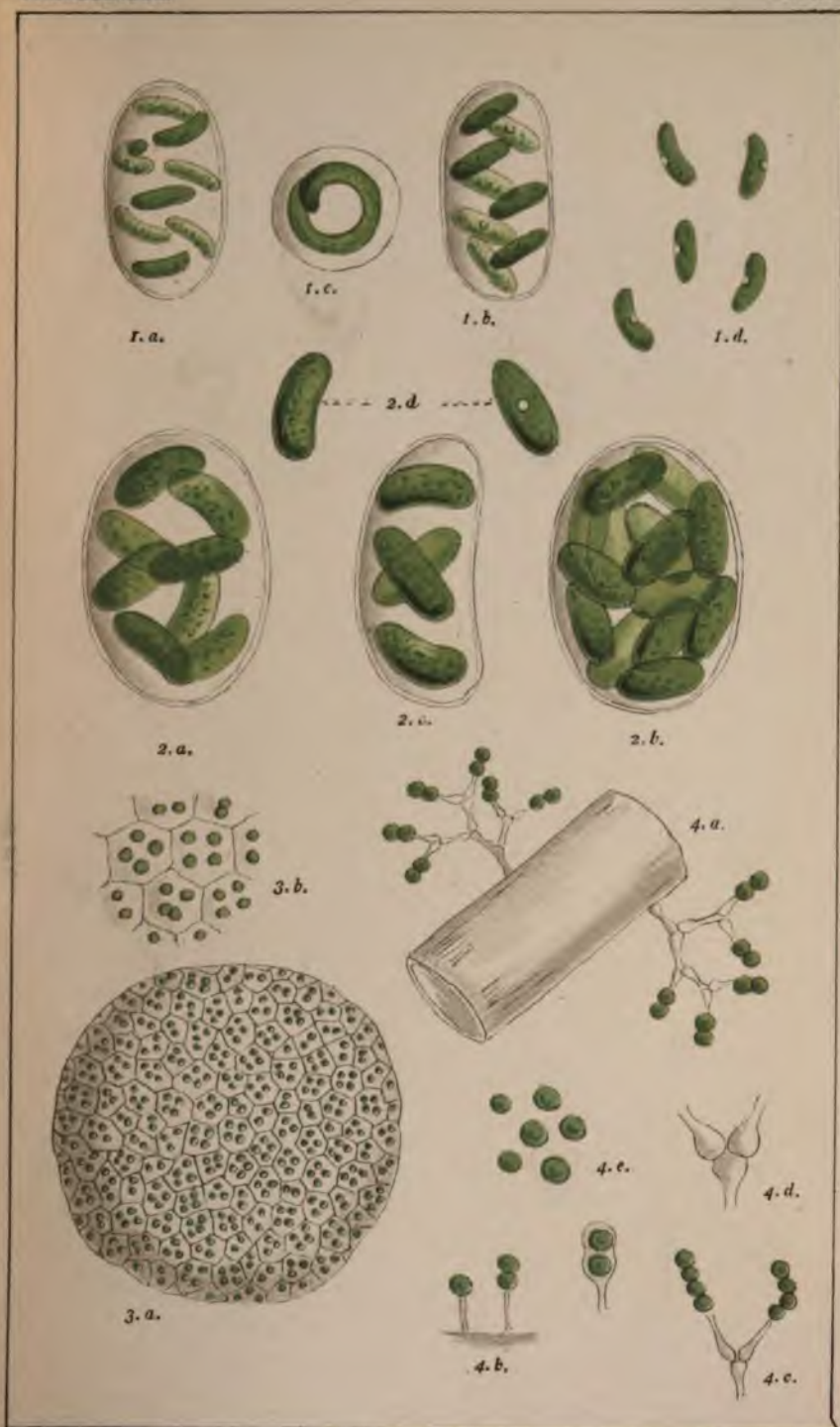


1. *Hormospora mutabilis*. Breb.2. *Hormospora ramosa*. Thw.3. *Hormospora transversalis*. Breb.4. *Hydrurus penicillatus*. fig.

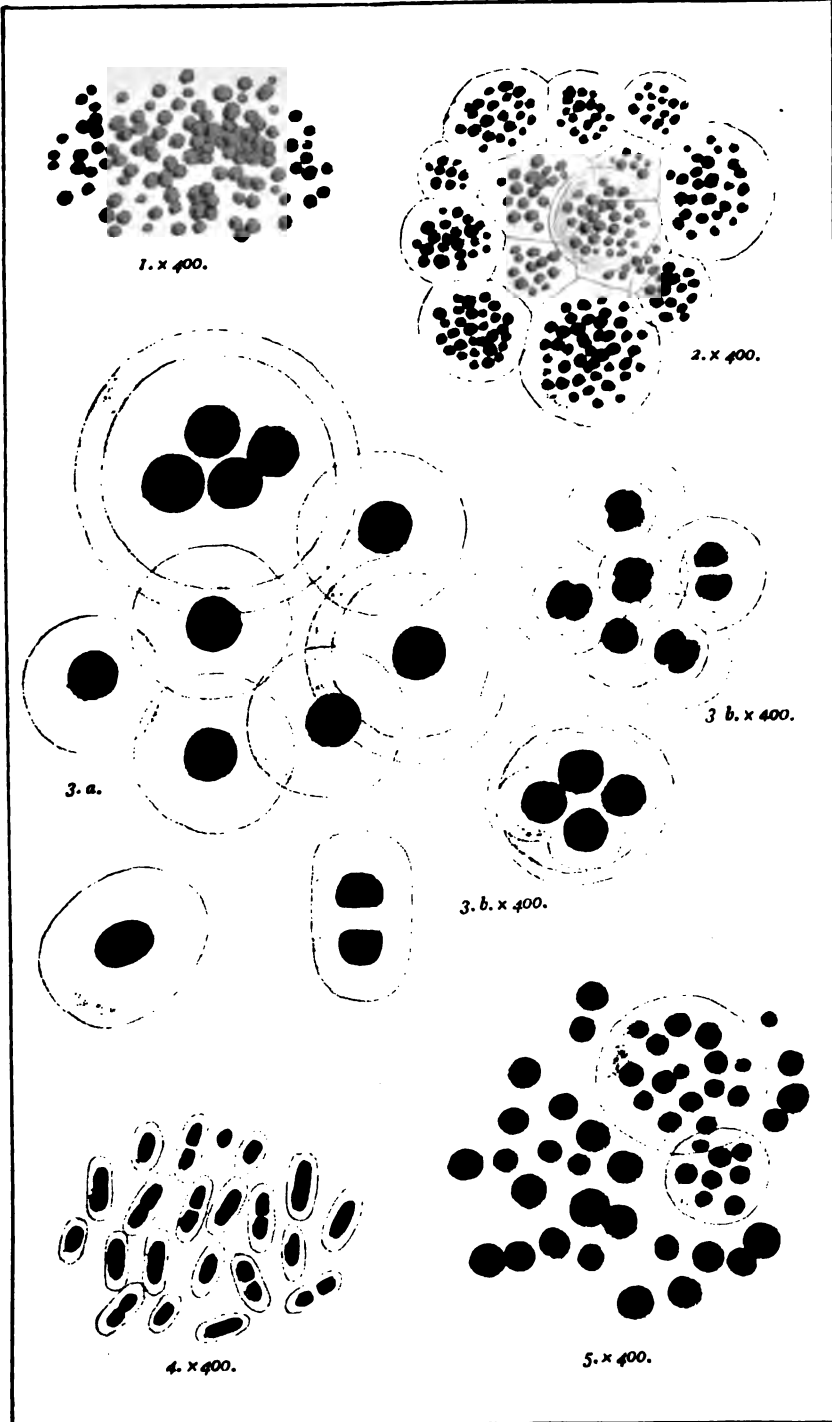




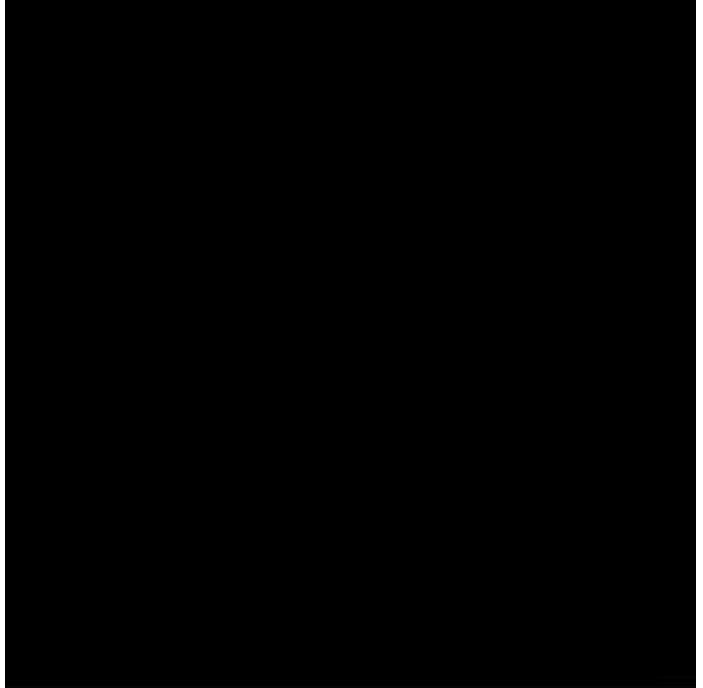
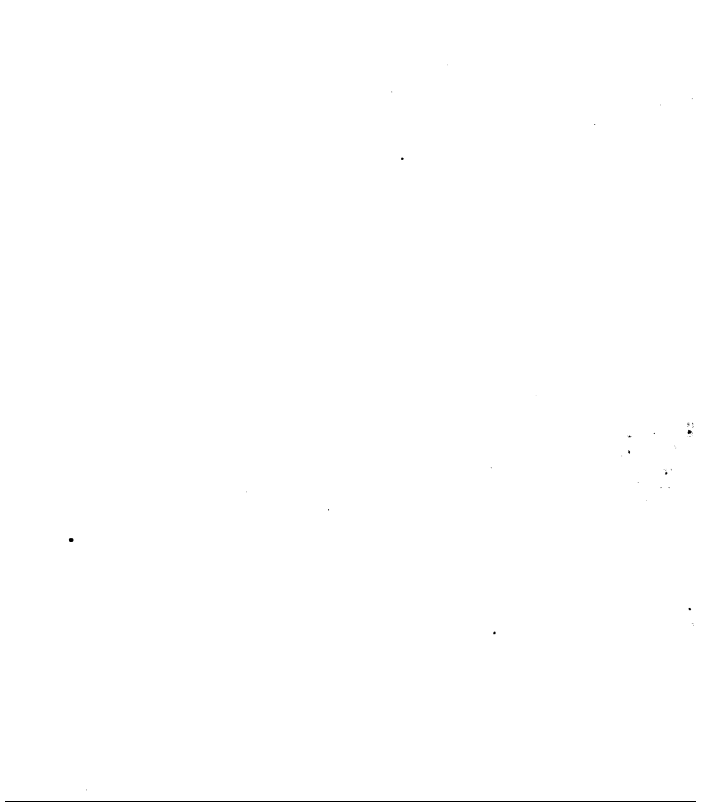


1. *Nephrocystium Agardhianum*. Nag.2. *Nephrocystium Naegelii*. Gr.3. *Botrydina vulgaris*. Bréb.4. *Mischoecoccus confervicicola*. Nag.



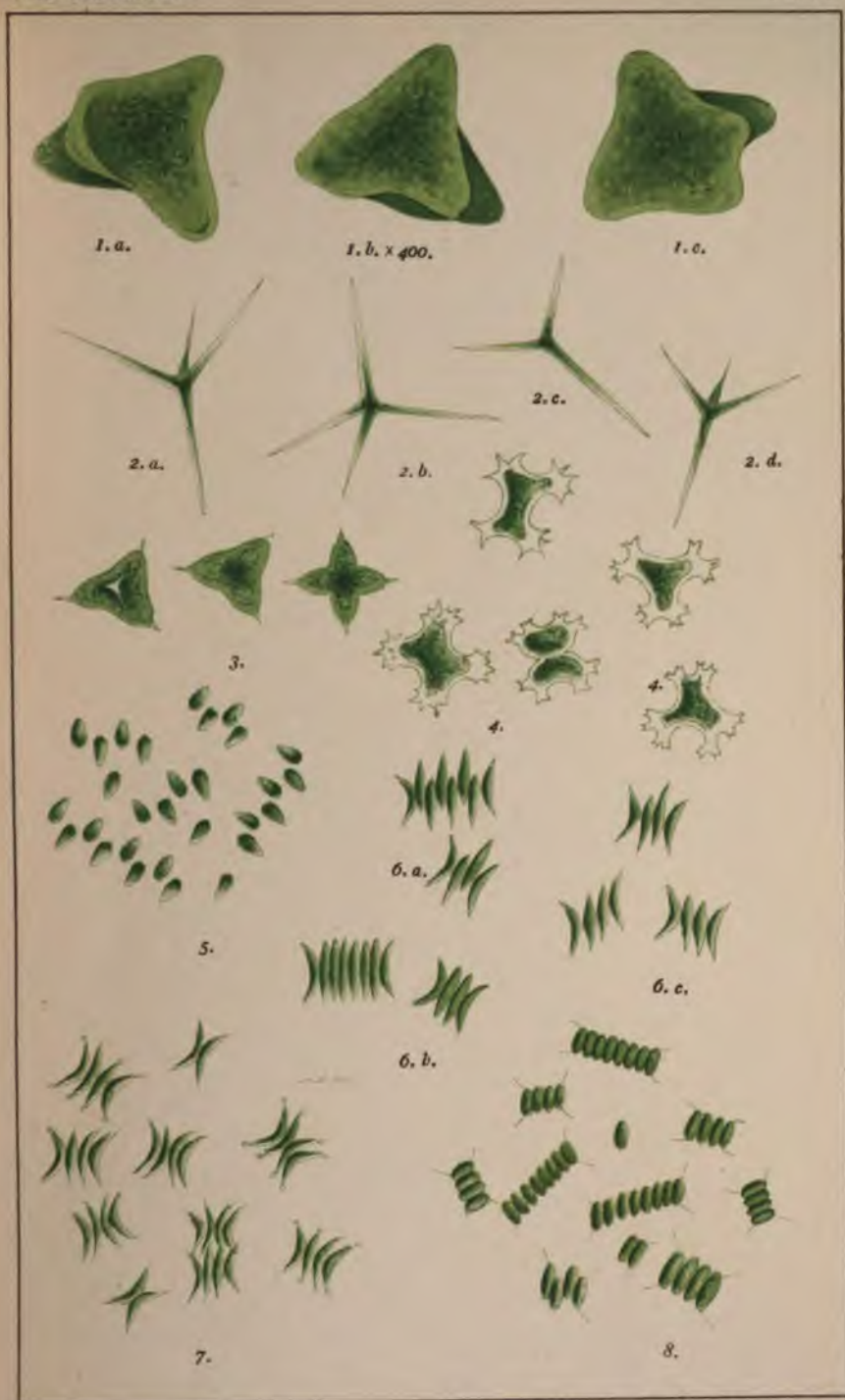


1. *Protococcus viridis*. Ag. 2. *Chlorococcum frustulosum*. Carm.
 3. *Chlorococcum gigas*. Grun. 4. *Chlorococcum murorum*. Grev.
 5. *Chlorococcum humicola*. Näg.

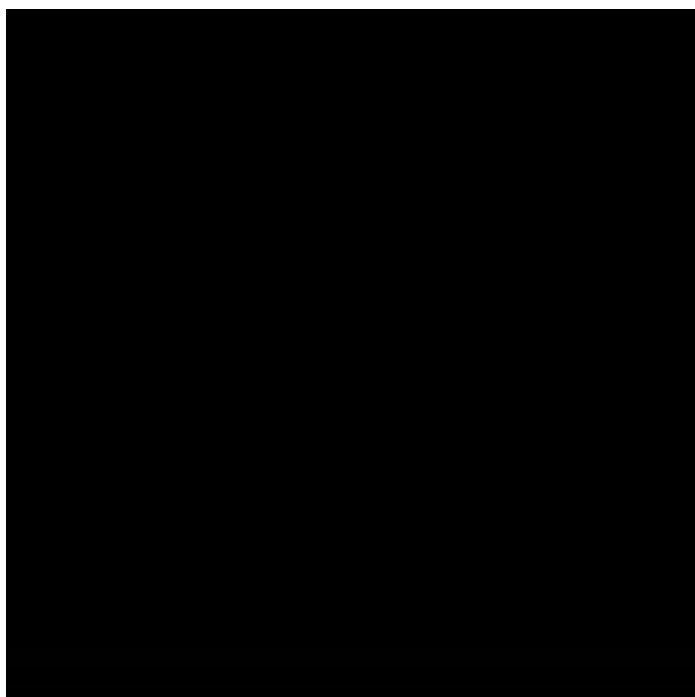






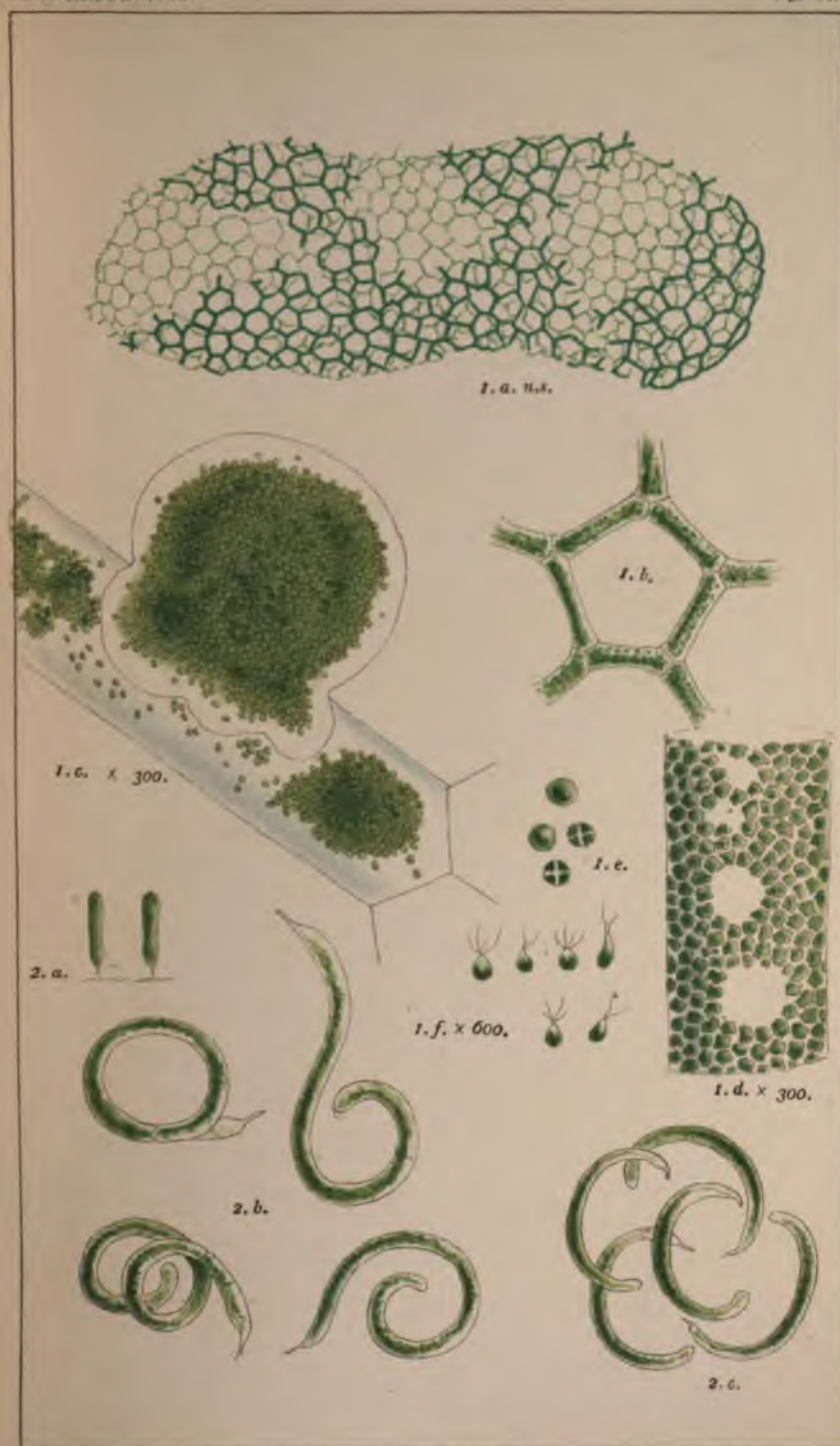


- | | |
|---|---|
| 1. <i>Polyedrium gigas</i> . Wittr. | 2. <i>Polyedrium longispinum</i> . Perty. |
| 3. <i>Polyedrium tetrahedrioum</i> . Nag. | 4. <i>Polyedrium enorme</i> . D. Bary. |
| 5. <i>Soenedesmus obtusus</i> . Mey. | 6. <i>Soenedesmus acutus</i> . Mey. |

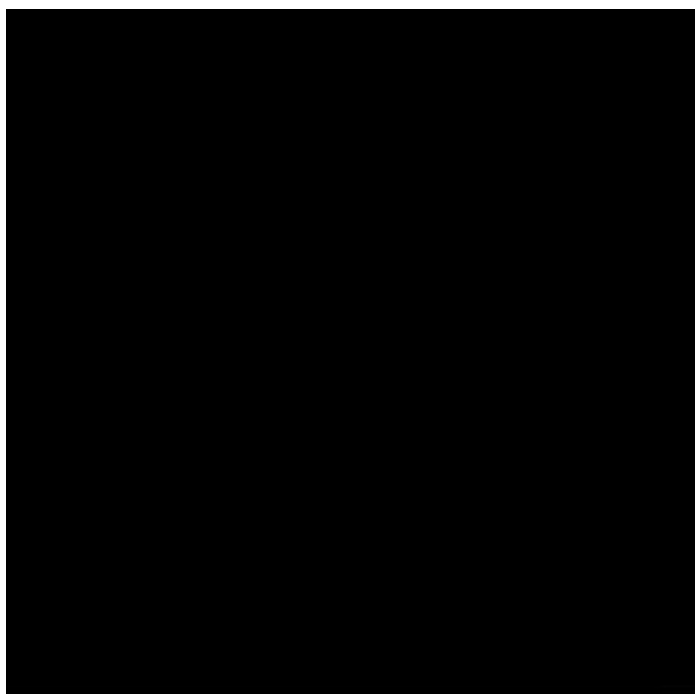






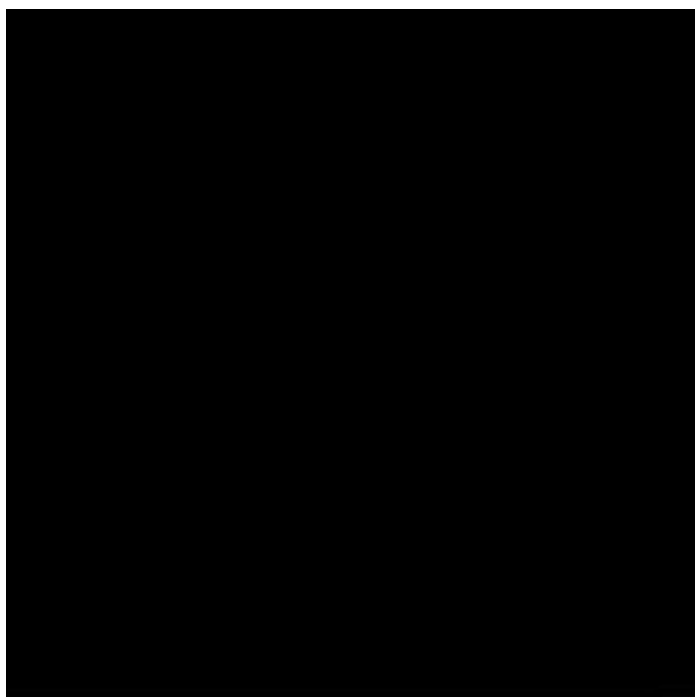


1. *Hydrodictyon utriculatum*. Roth. 2. *Ophiocytium cochleare*. Eich.





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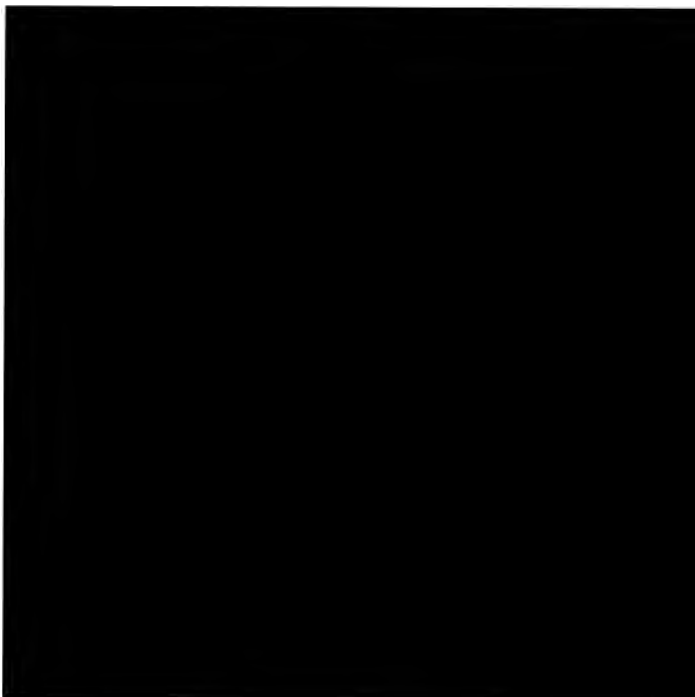


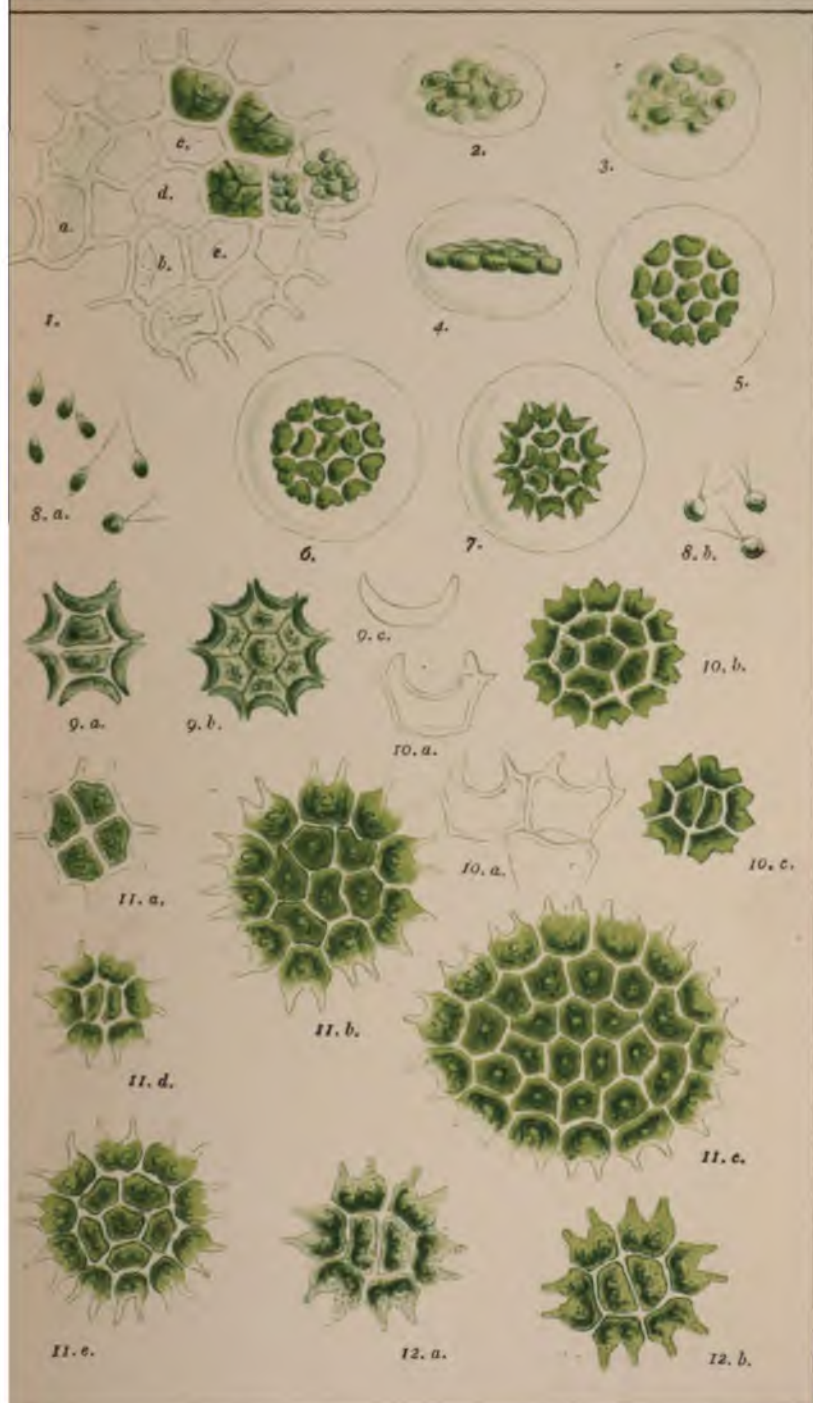


Sciadium arbuscula, Br.





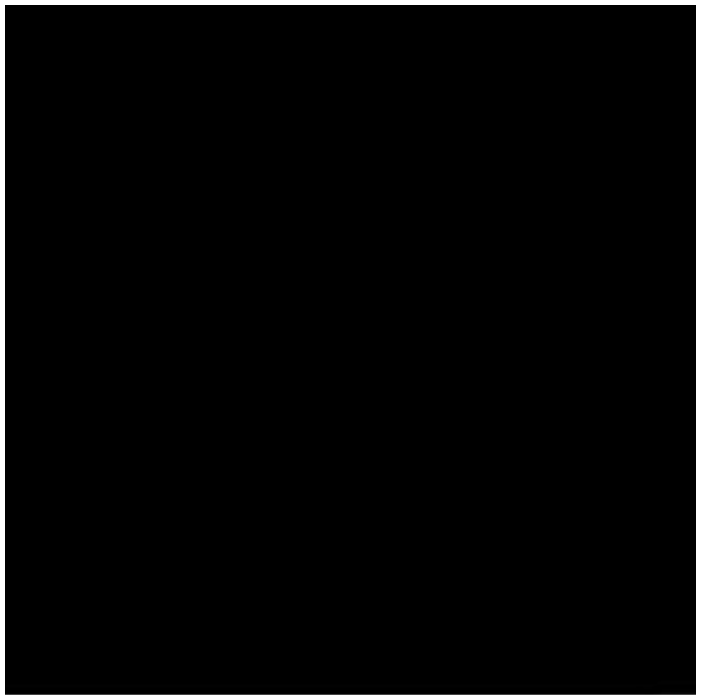


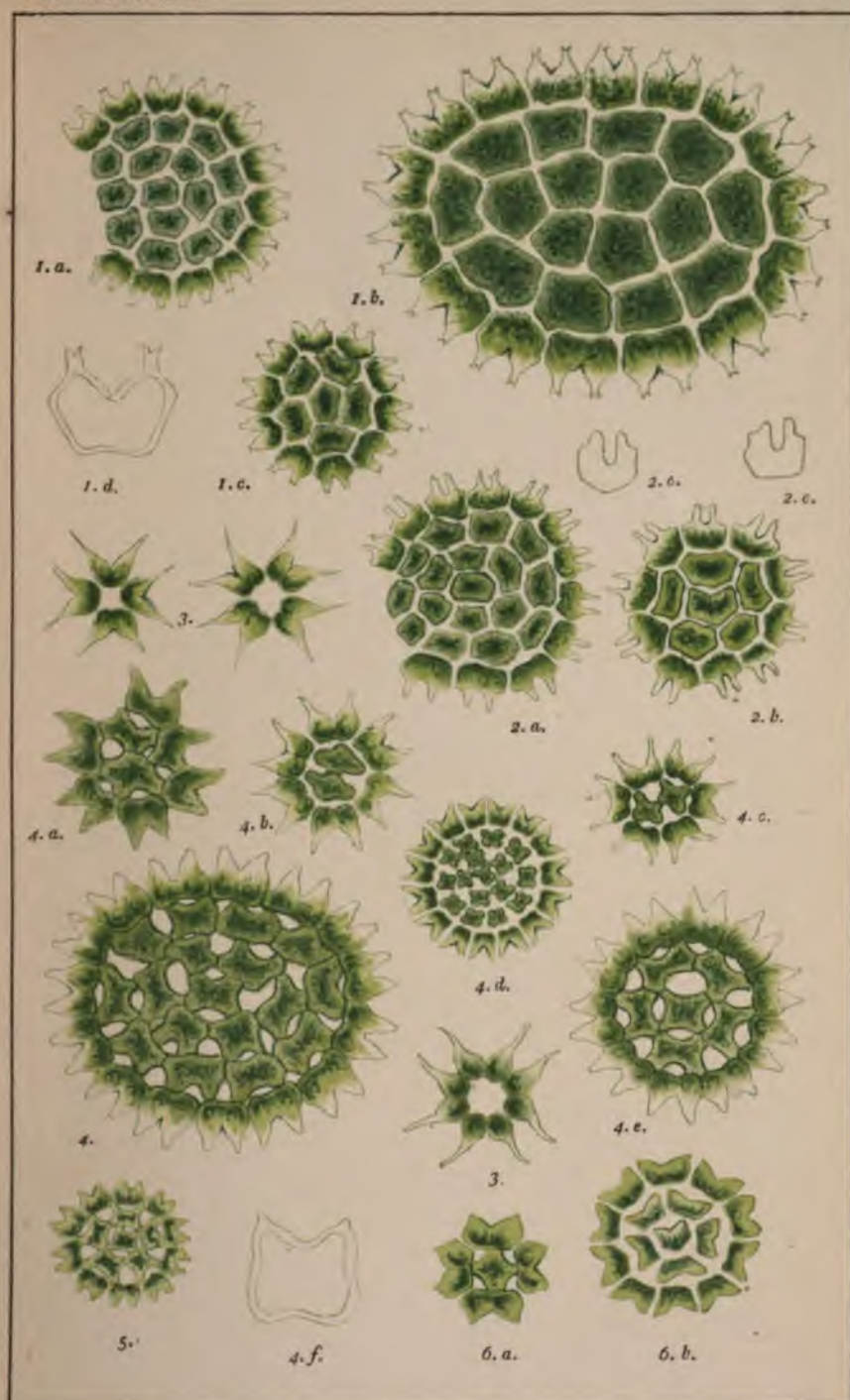


1-7. Stages of development in *Pediasium Boryanum*. Turp.
Pediasium Selenaea. Kutz. 10. *Pediasium angulosum*. Ehrb.
Pediasium Boryanum. Turp. 12. var. *granulosum*. Br.





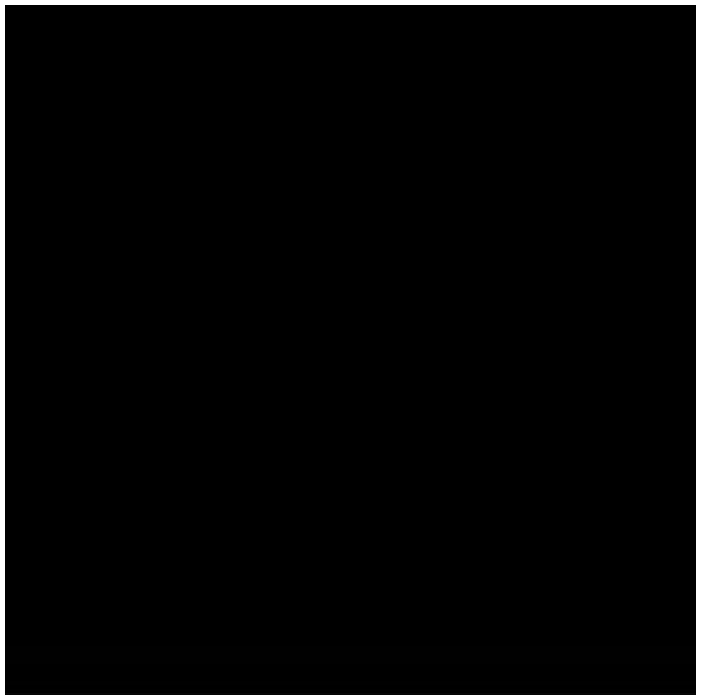


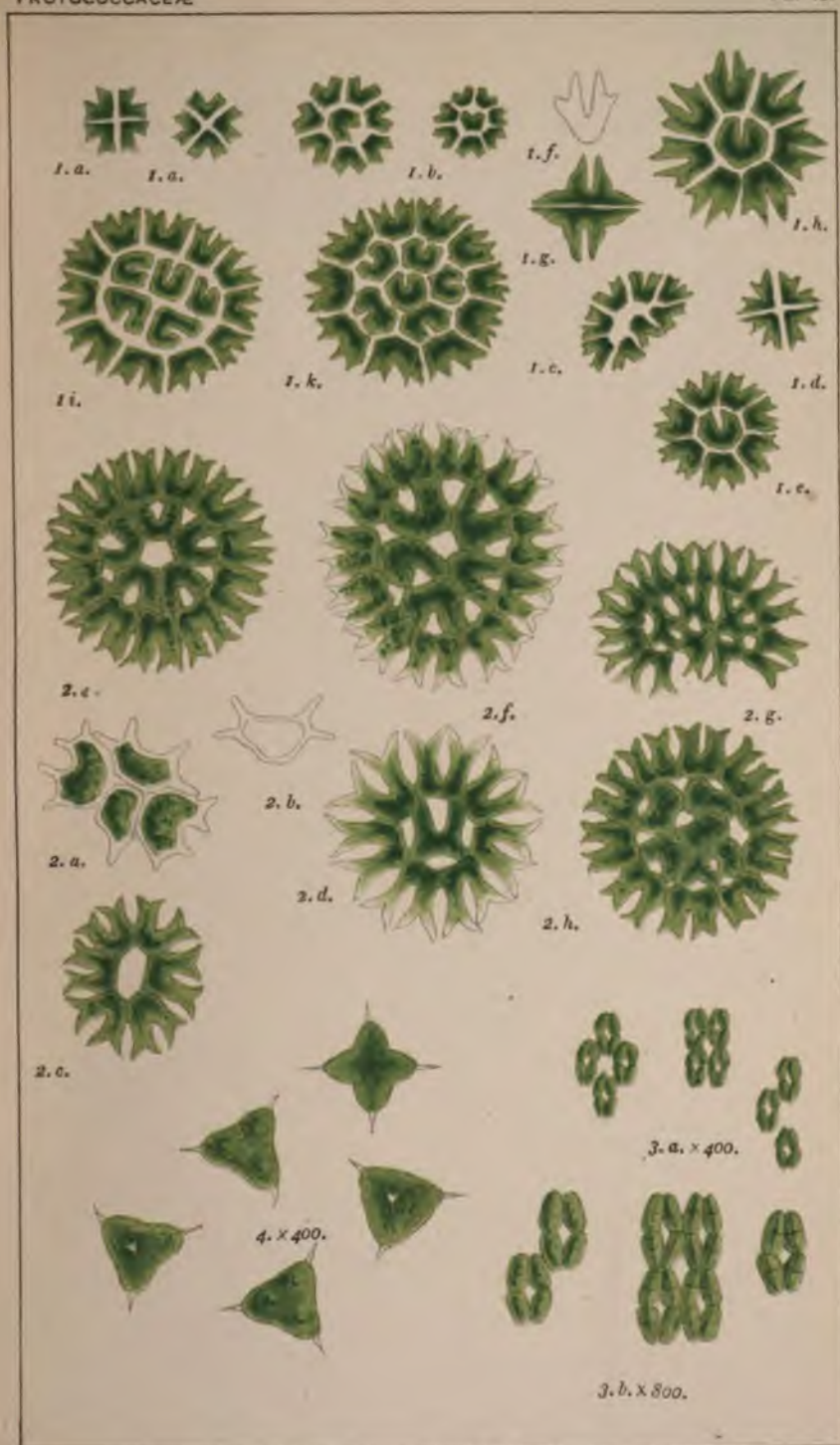


- | | |
|--|--|
| 1. <i>Pediastrum bidentulum</i> . Br. | 2. <i>Pediastrum constrictum</i> . Hass. |
| 3. <i>Pediastrum gracile</i> . Br. | 4. <i>Pediastrum pertusum</i> Kütz. |
| 5. <i>P. pertusum</i> v. <i>clathratum</i> Br. | 6. <i>P. pertusum</i> v. <i>brachylobum</i> . B. |





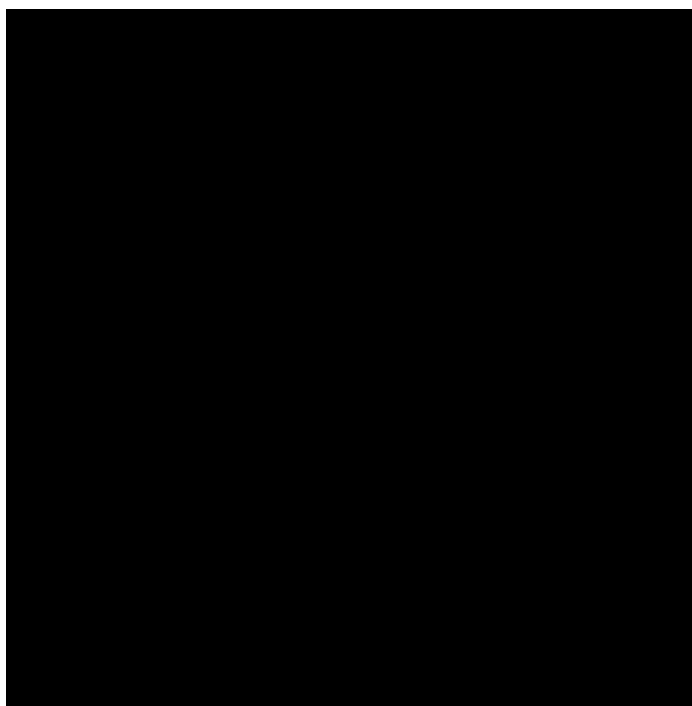


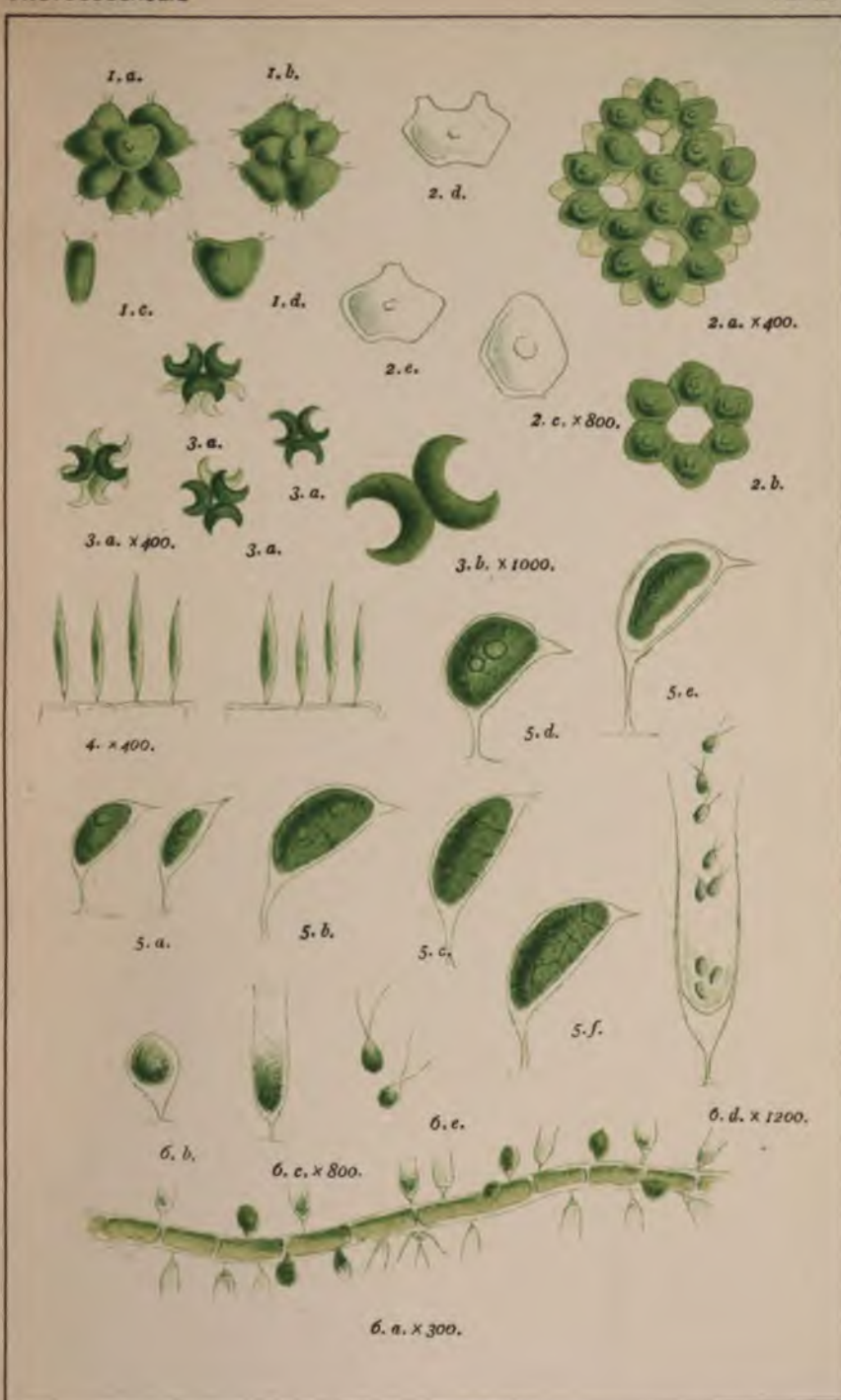


1. *Pediasium Ehrenbergii*. Corda. 2. *Pediasium rotula*. Ehrb.
3. *Staurogenia rectangularis*. Nag. 4. *Polyedrium tetraedricum*. Nag









1. *Sorastrum spinulosum*. Nag.
2. *Cœlastrum sphaericum*. Nag.
3. *Selenastrum fibraianum*. Reinsh.
4. *Characium tenue*. Herm.
5. *Characium ornithocephalum*. Br.
6. *Hydrianum heteromorphum*. Reinsh.



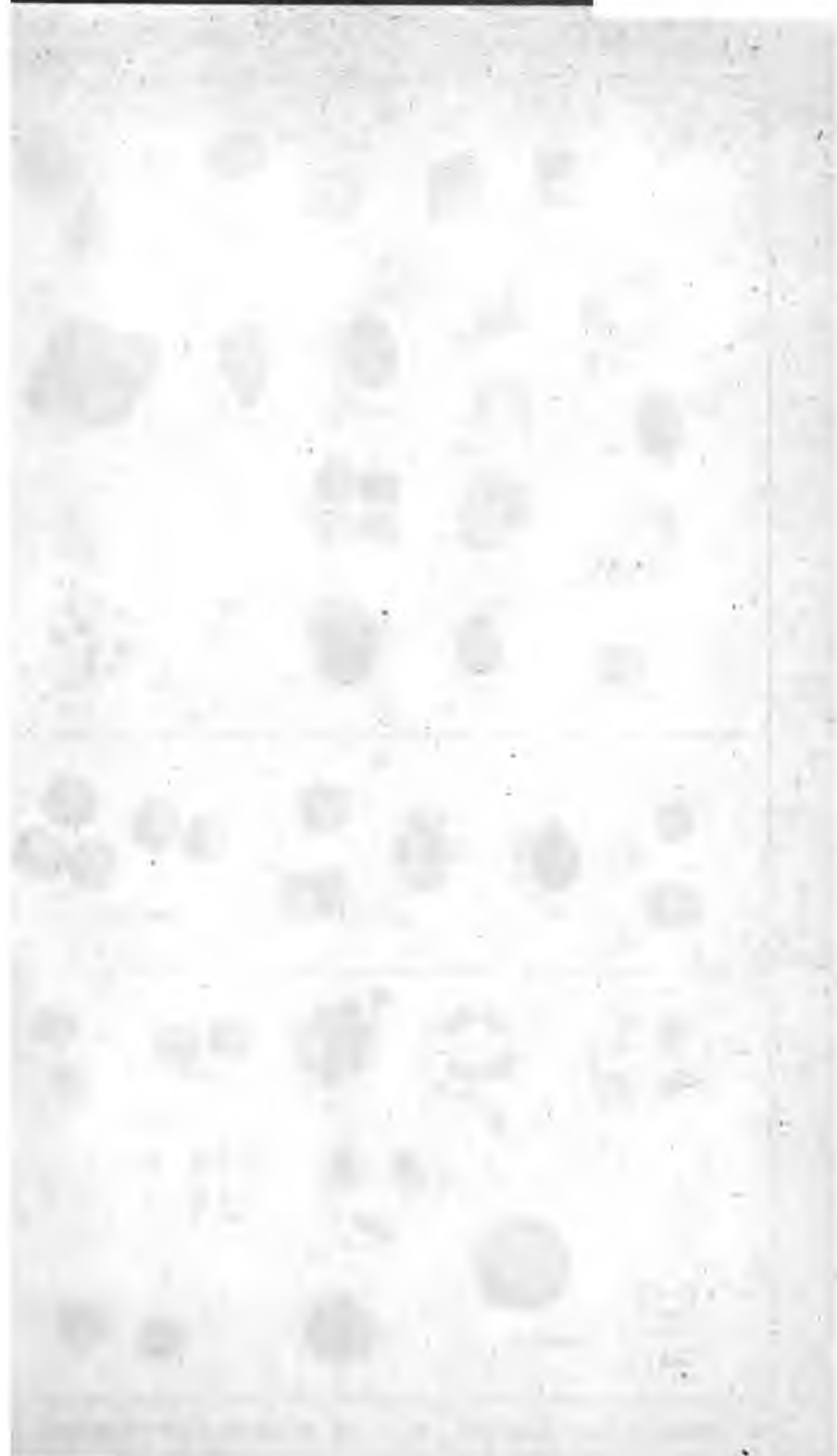


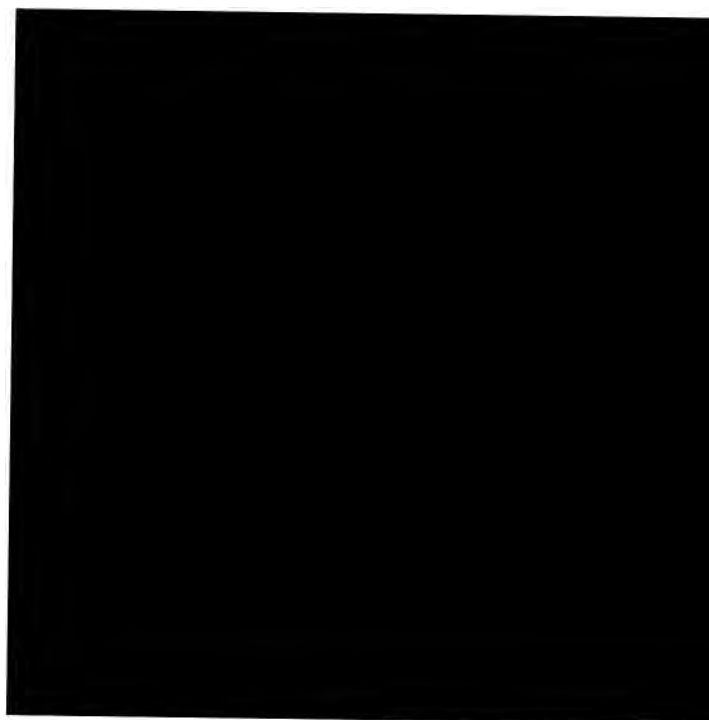


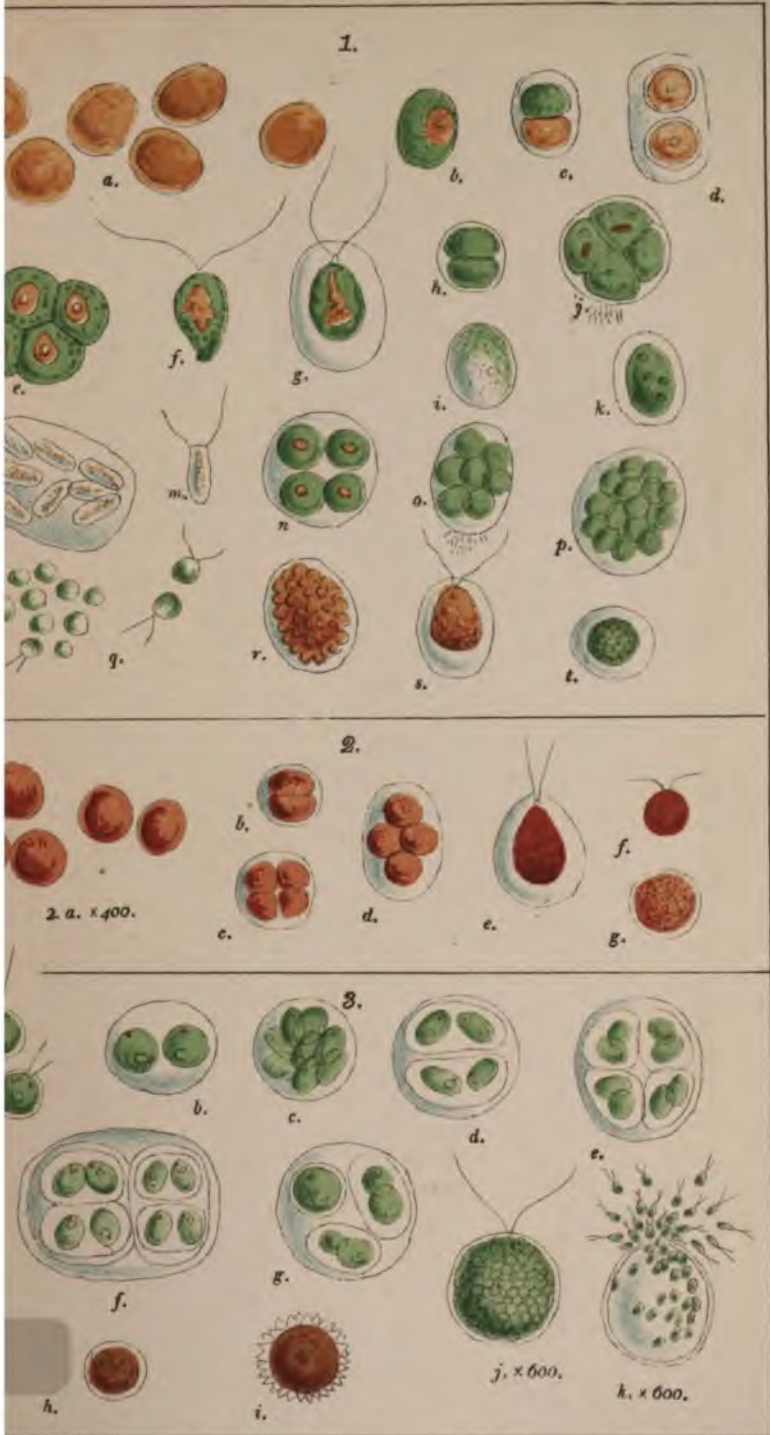


1-8. *Codiolum gregarium*. Br. 9-11. *Characium Sieboldi*. Br.





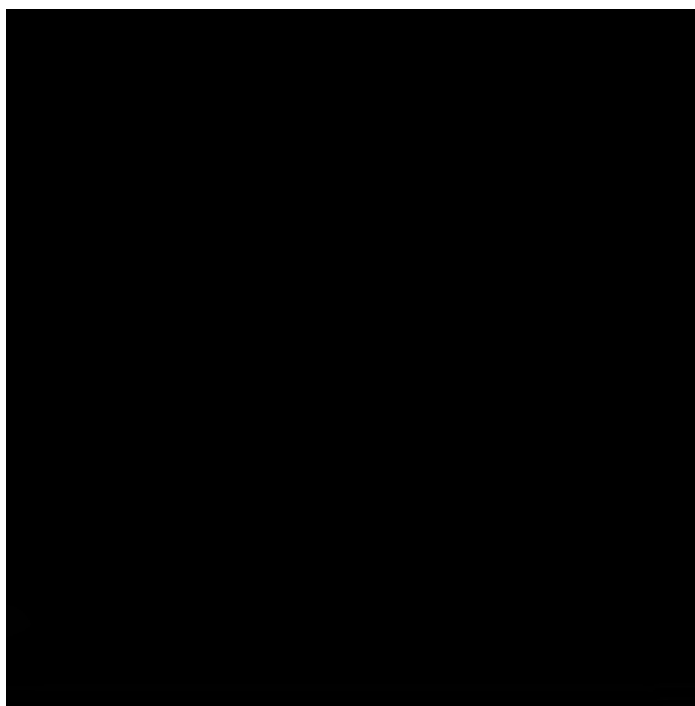


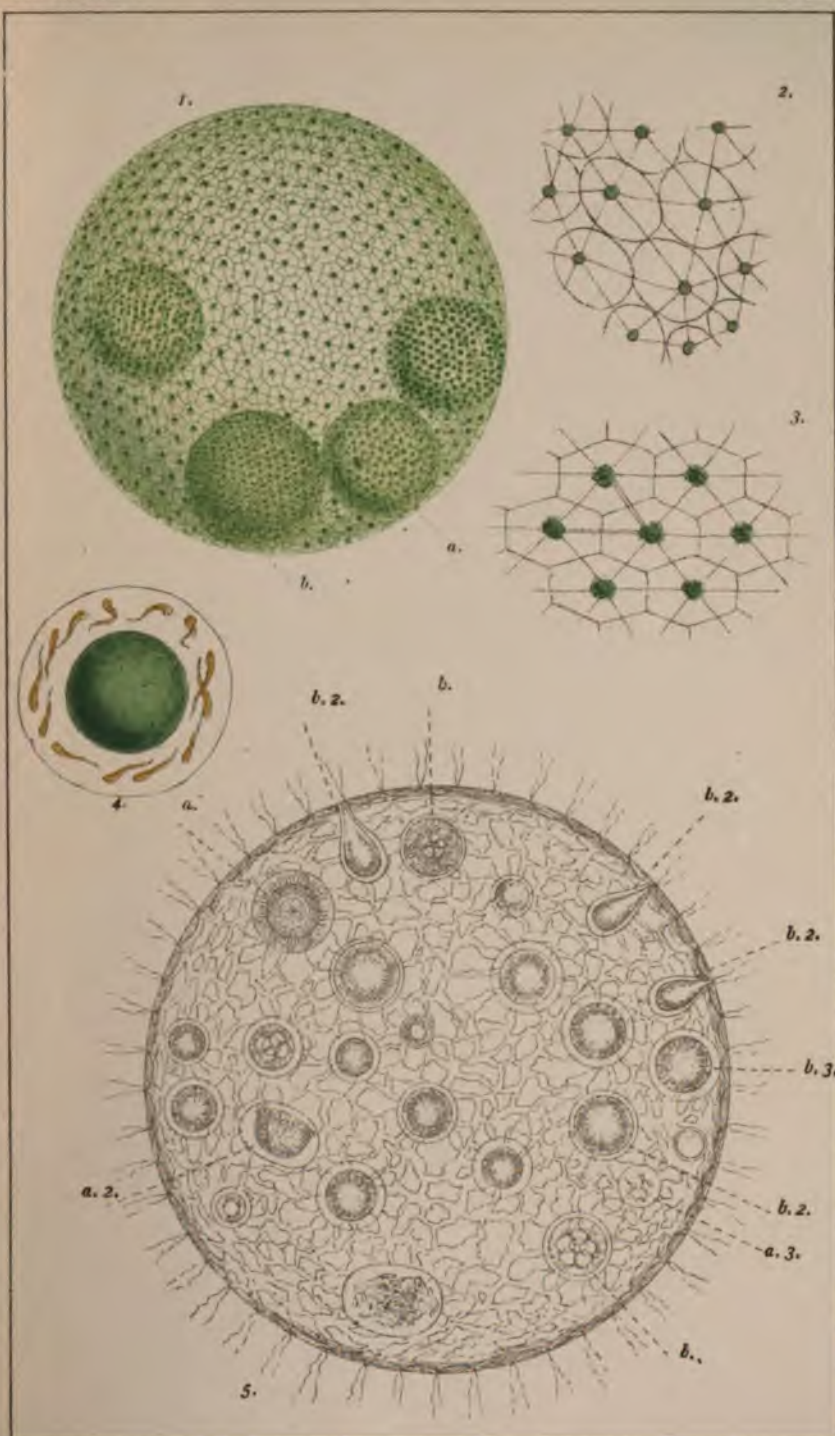


Chlamydococcus pluvialis. Br. 2. *Chlamydococcus nivalis*. Br.
3. *Chlamydomonas pulvisculus*. Ehrh.

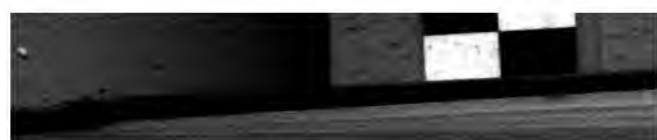


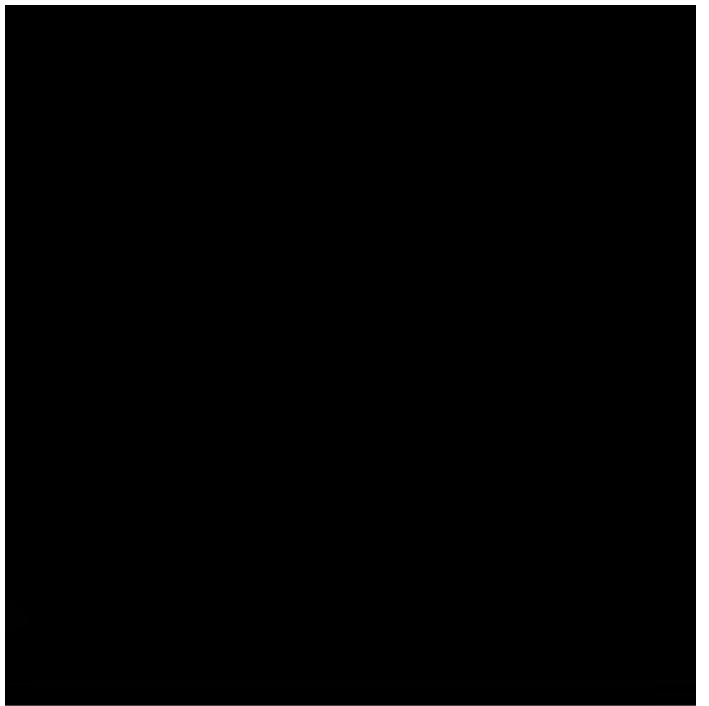


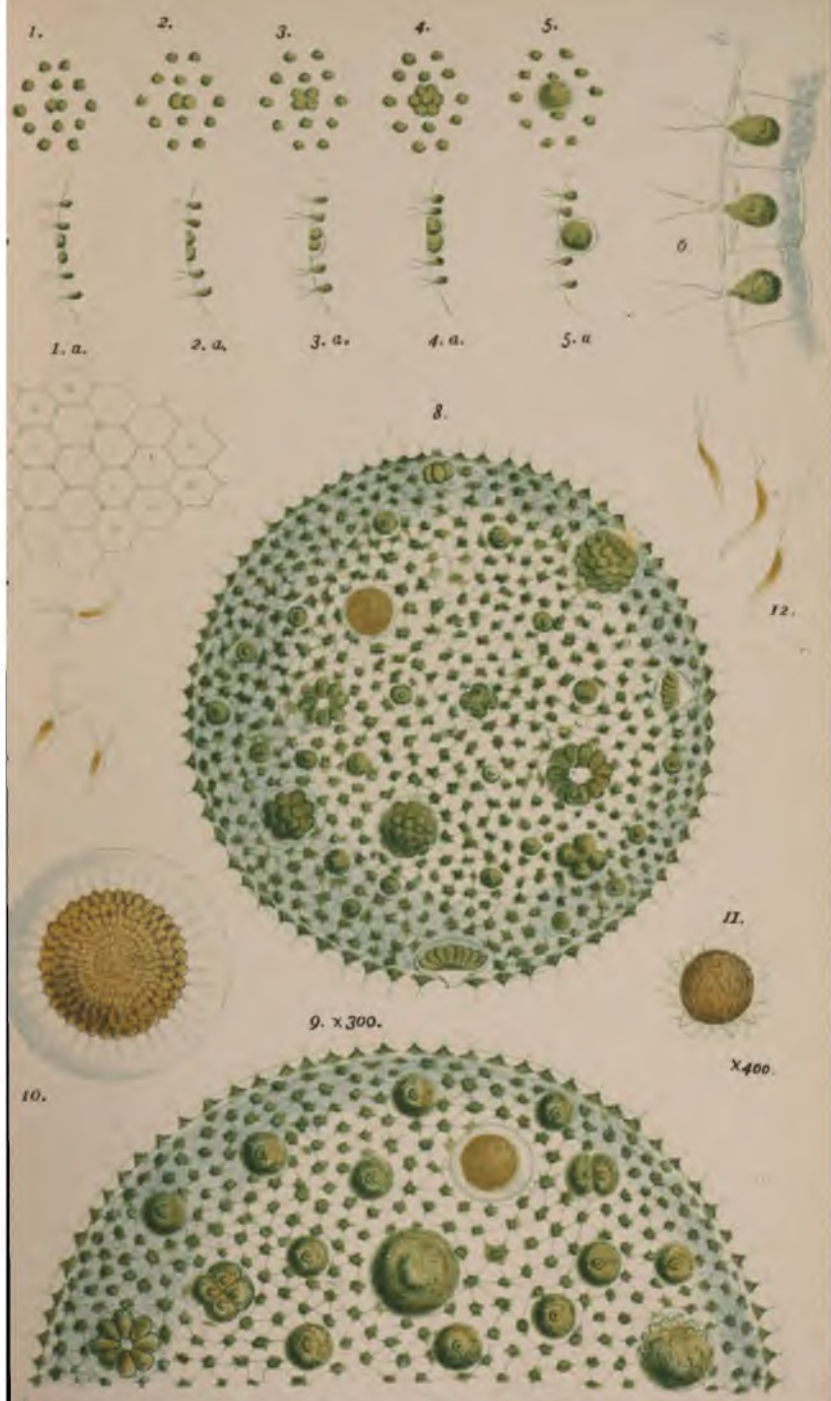


*Volvox globator*. Ehrb.

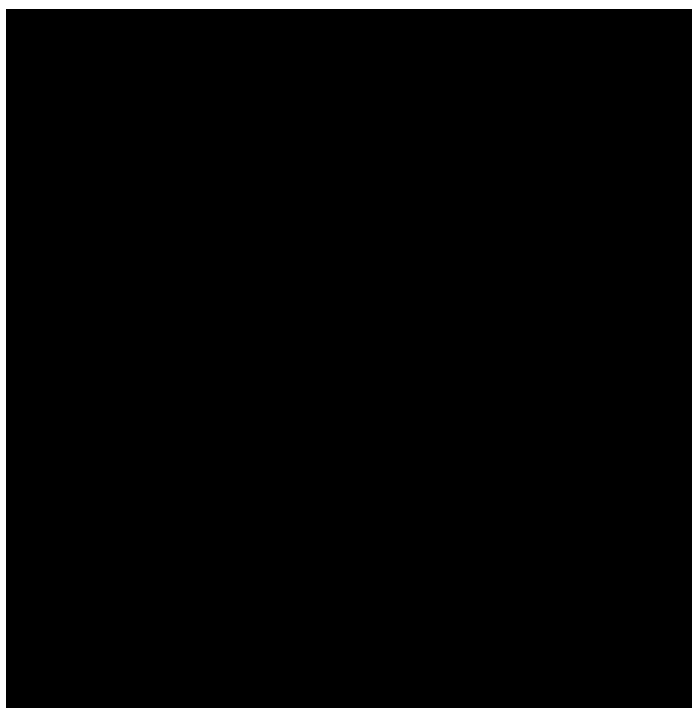




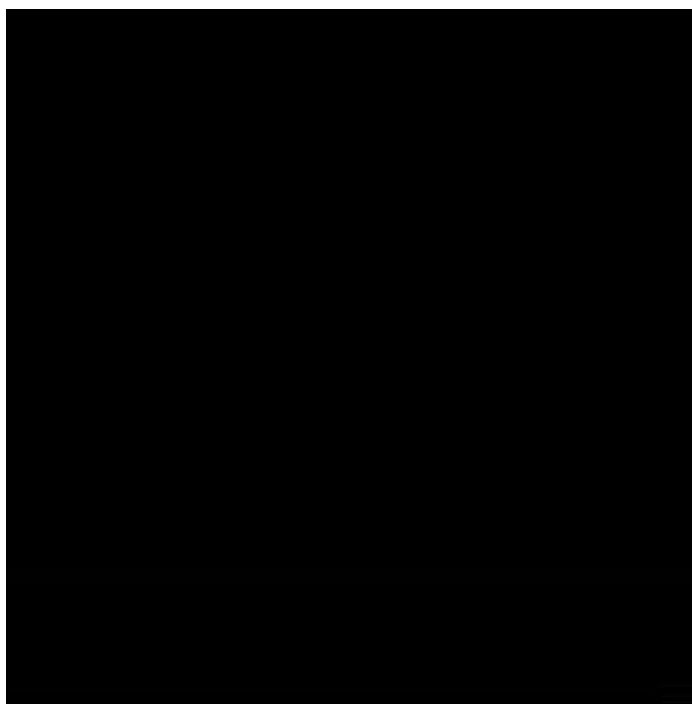


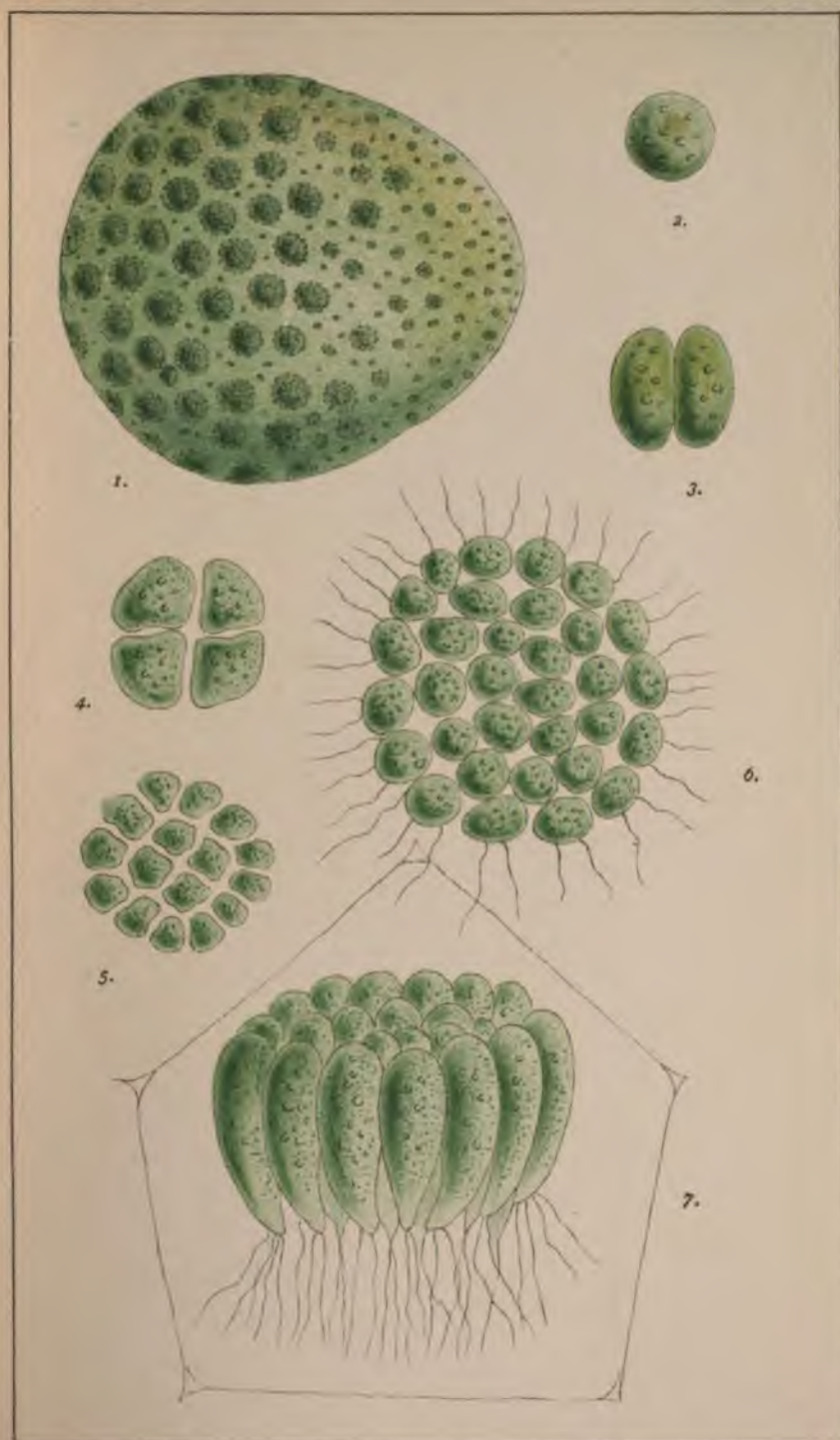


Volvox globator, Ehr.



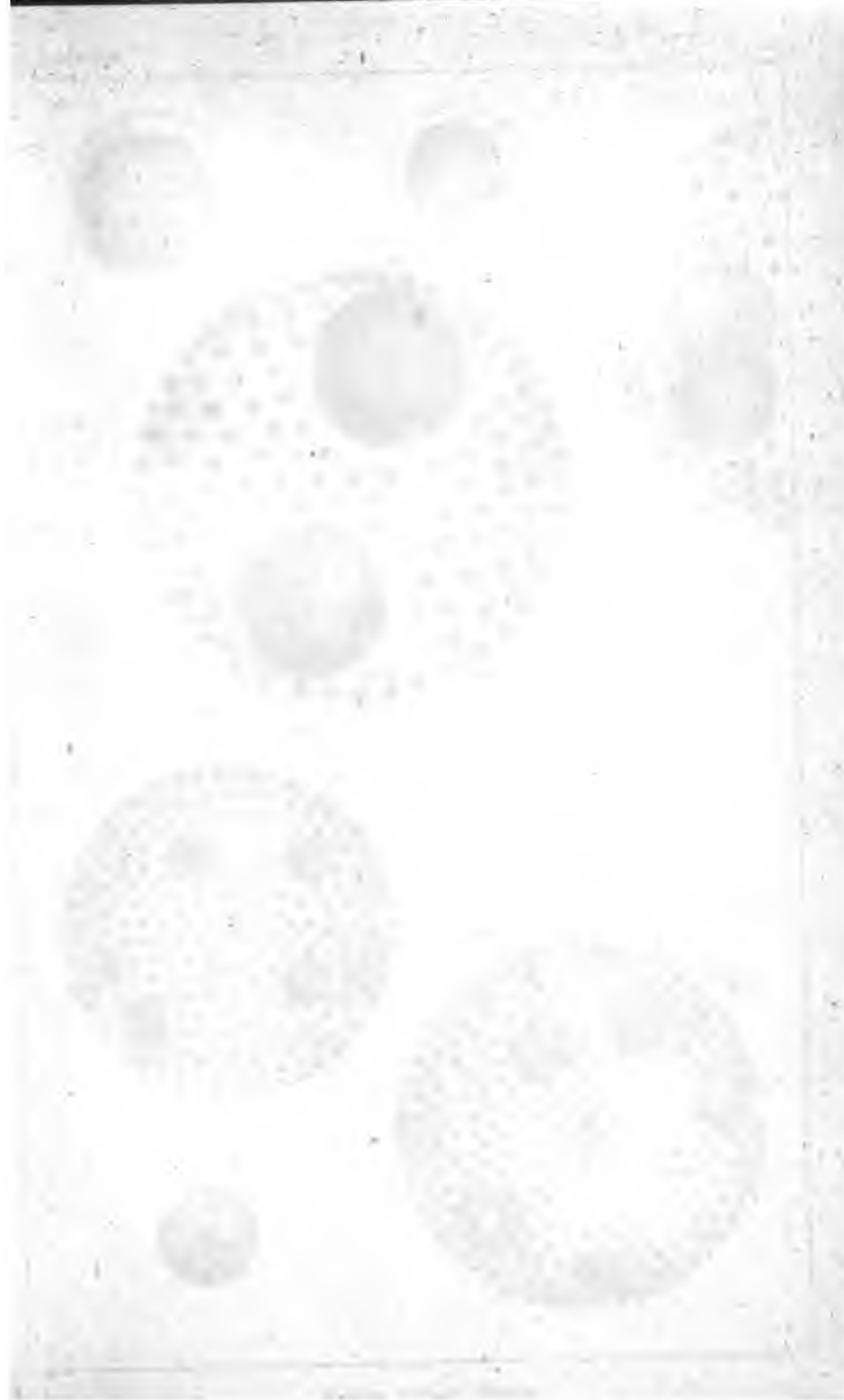


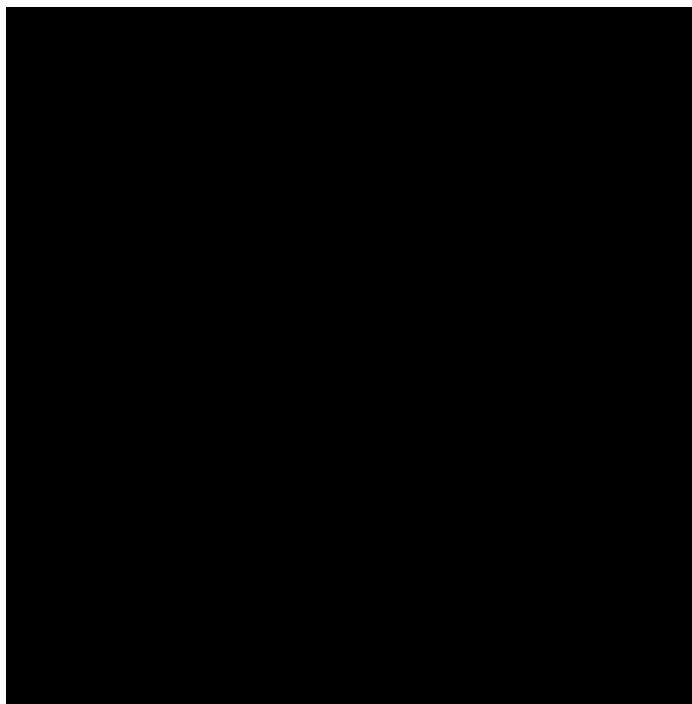


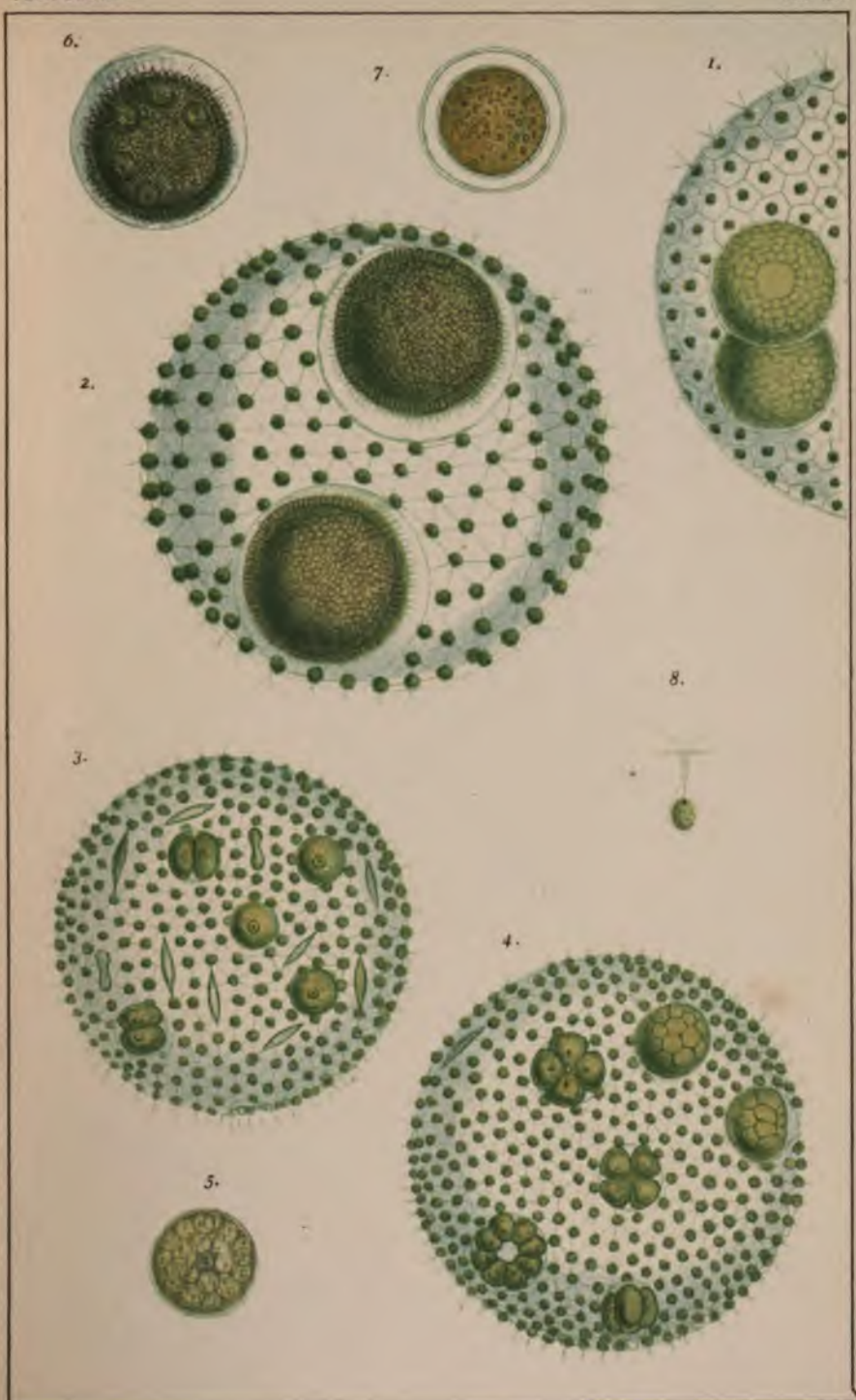


Volvox globator. ♂ (*Sphaerosira volvox* Ehr.)





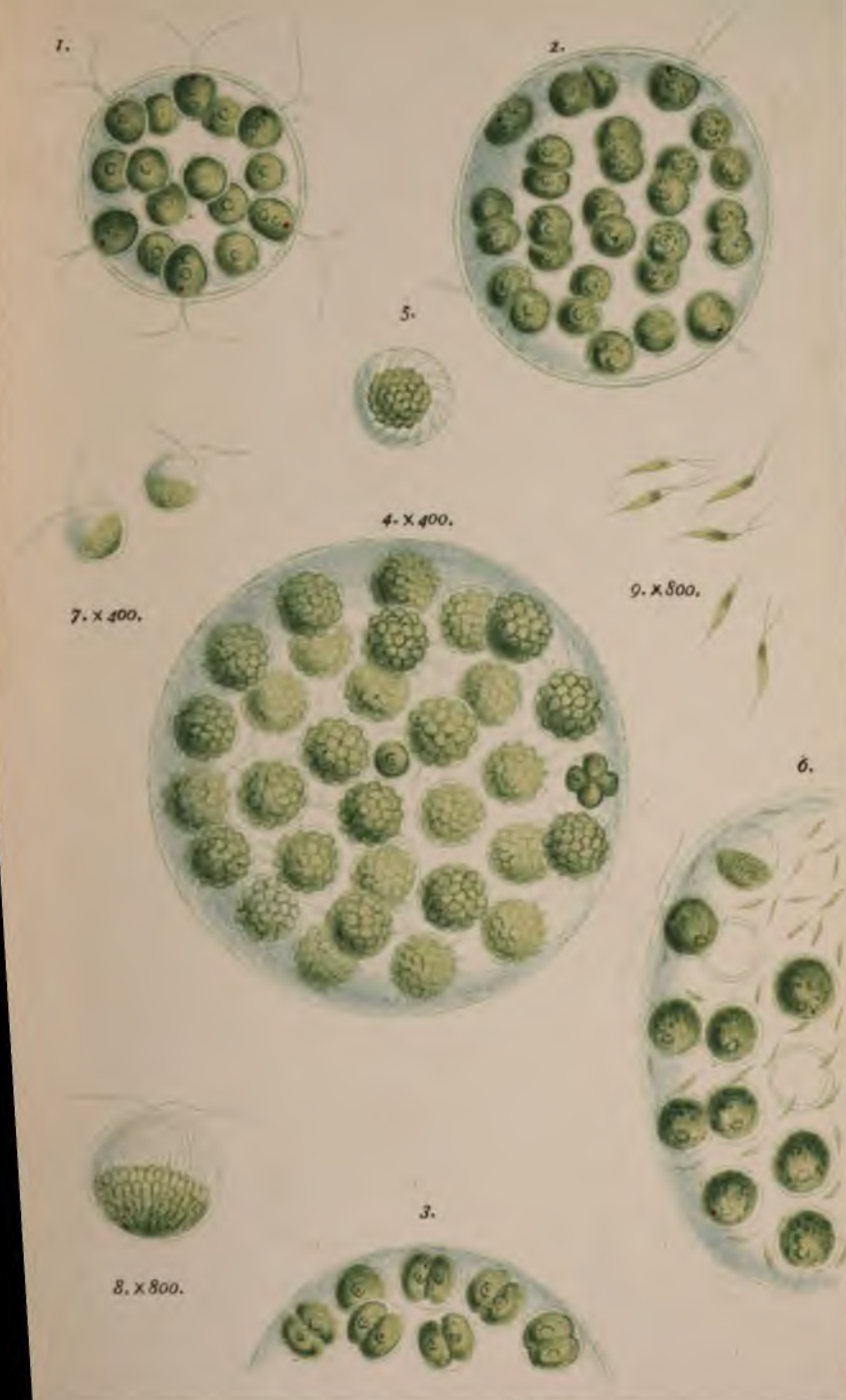


*Volvox minor.* Stein.





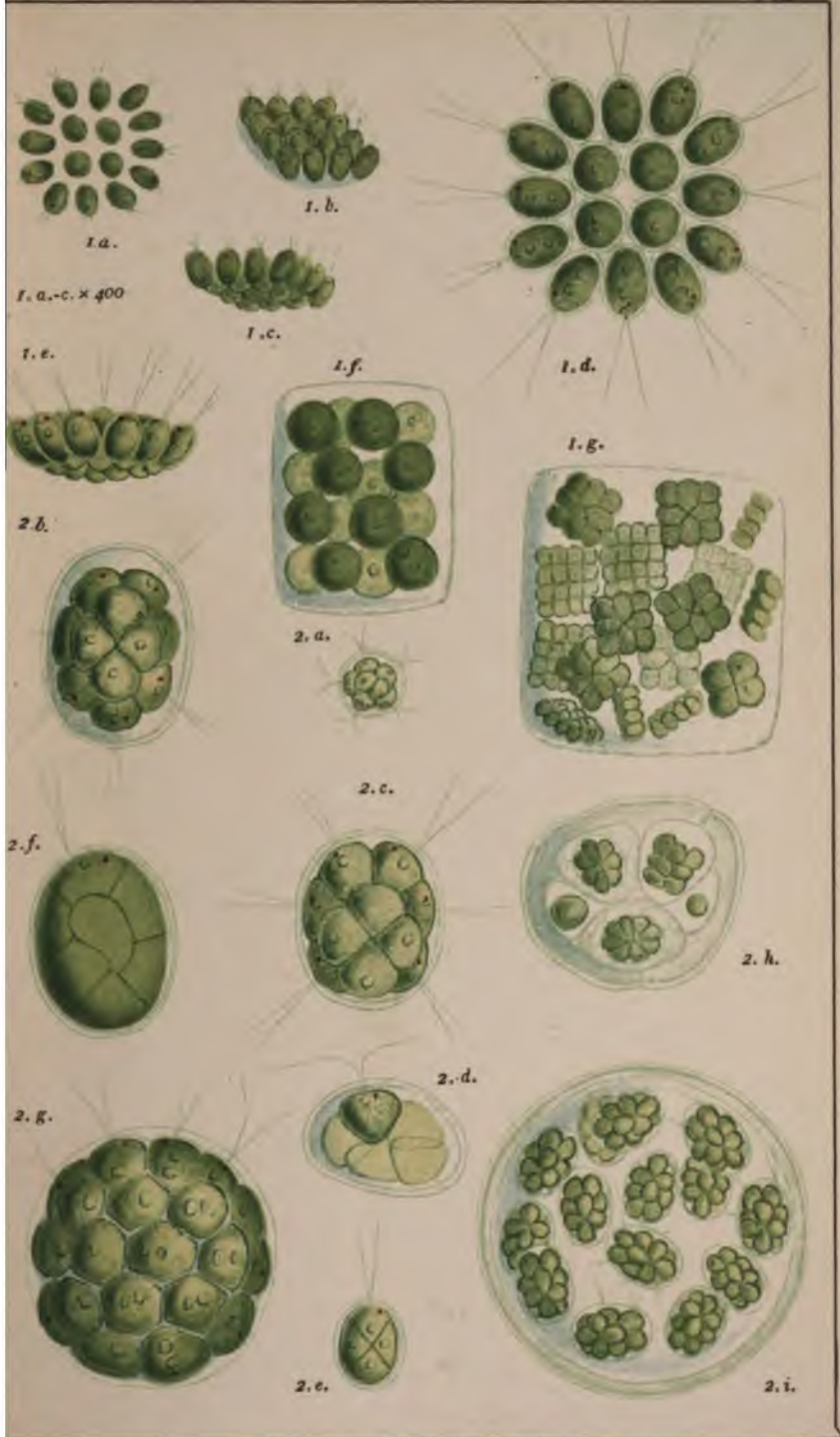


*Eudorina elegans*. Ehrb.





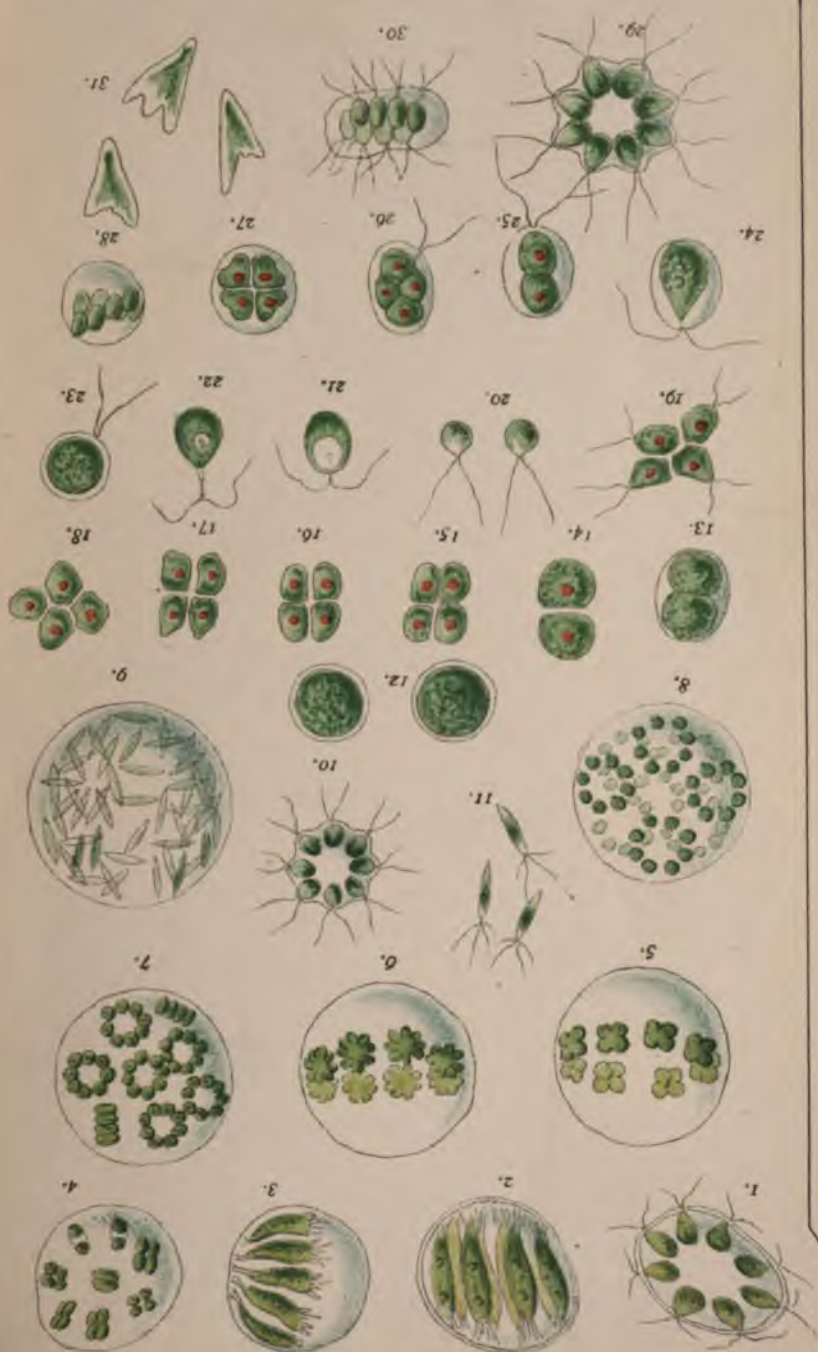


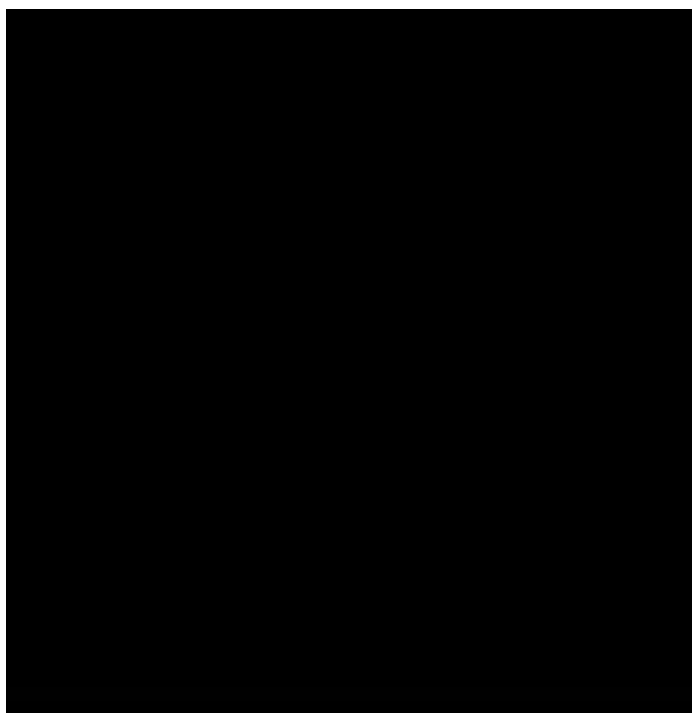
1. *Gonium pectorale*. Mull.2. *Pandorina morum*. Bory.





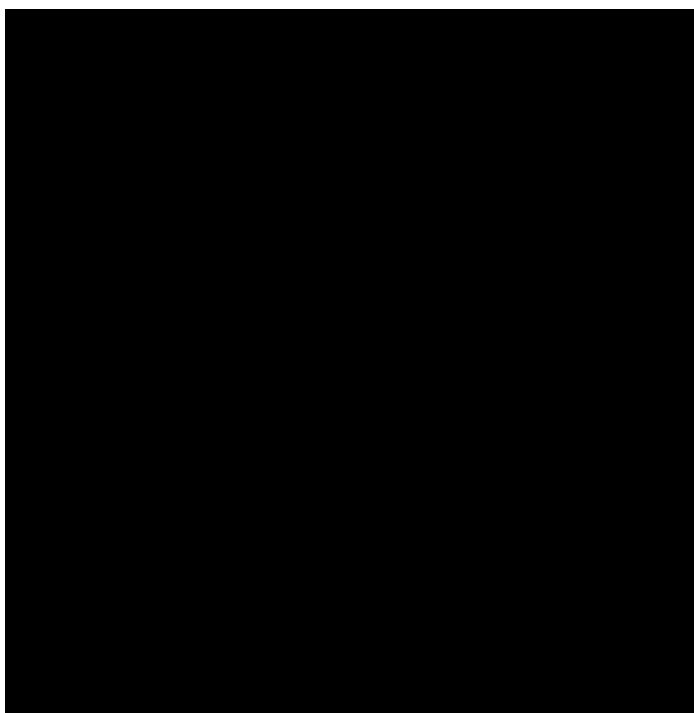






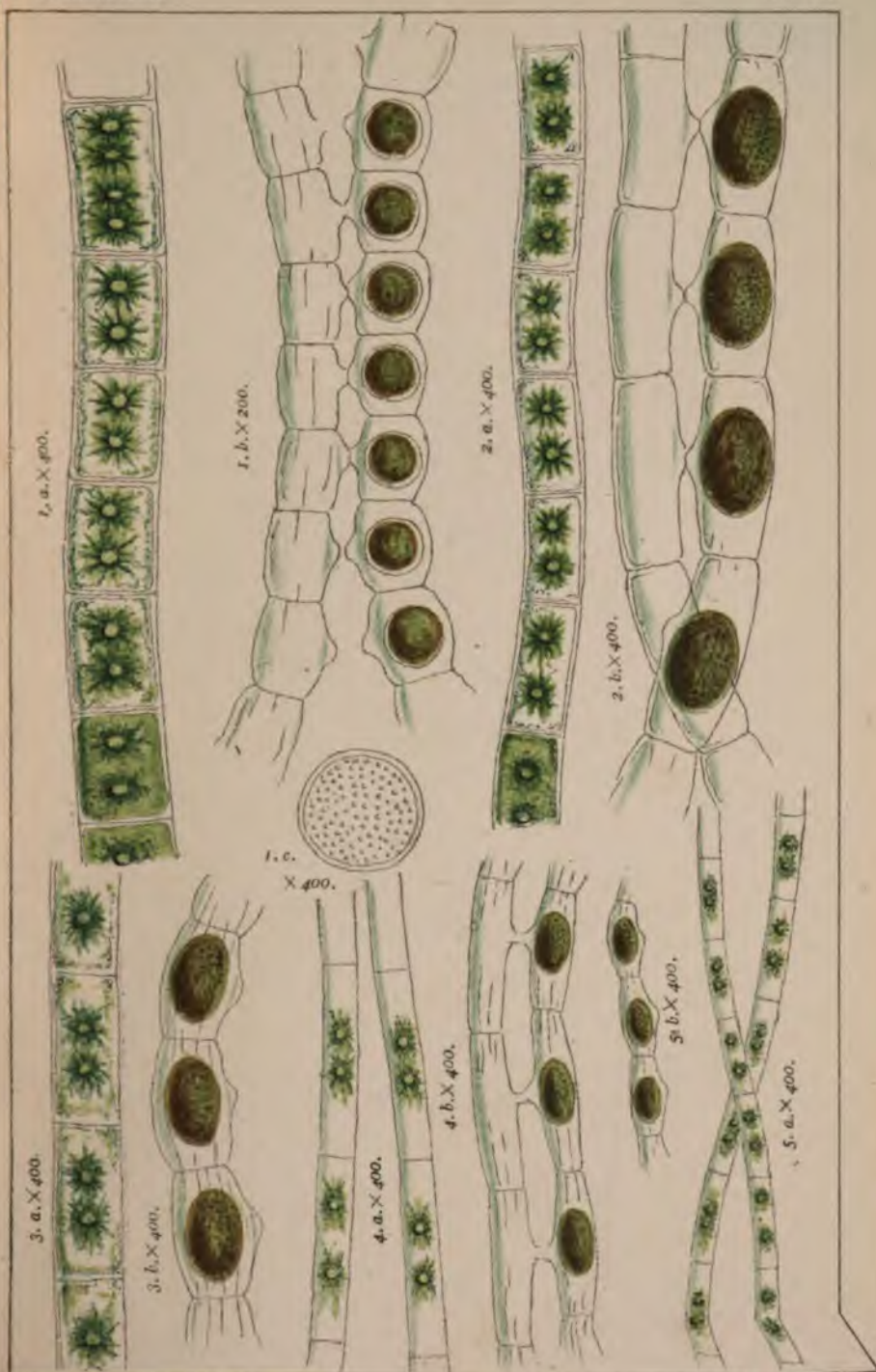


1. *Zygnema pectinatum*. Ag. 2. *Zygnema Ralfsii*. Haes.
3. *Zygnema parvulum*. Kutz.



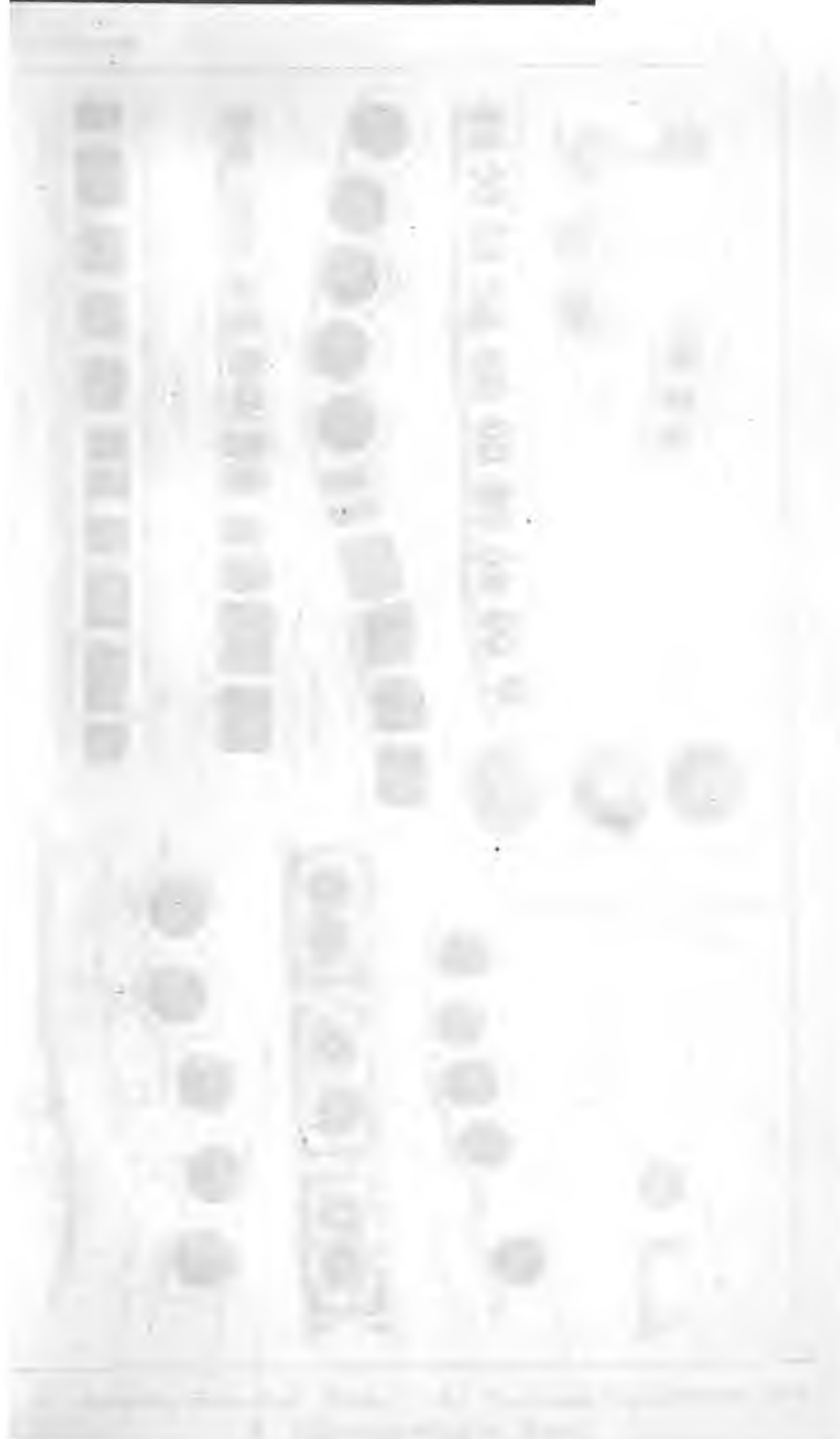




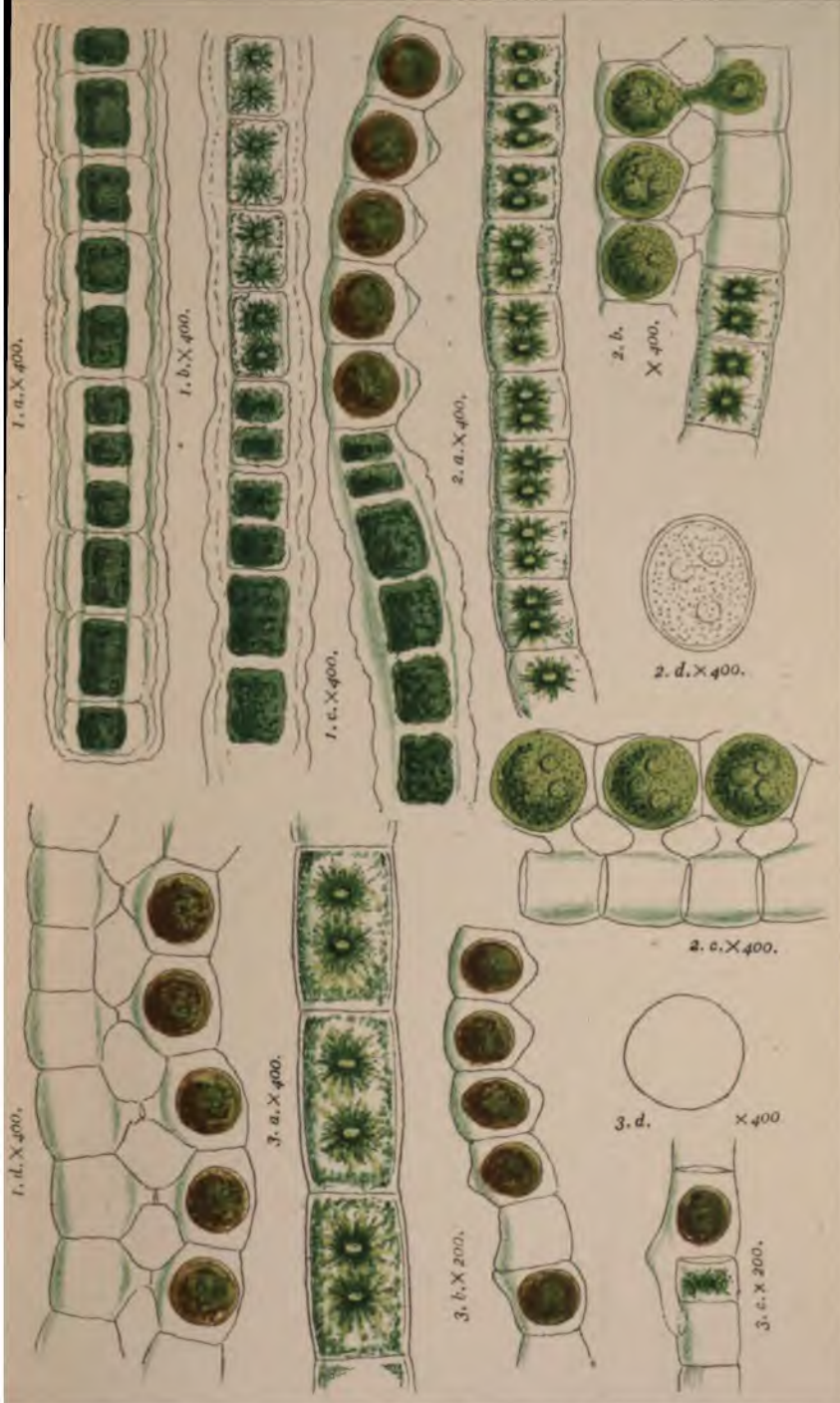


1. *Zygnema cruciatum*. Ag. 2. *Zygnema stellinum*. Vauch.
3. *Zygnema Vaucheri*. Ag. 4. var. *subtile*. 5. var. *stagna*





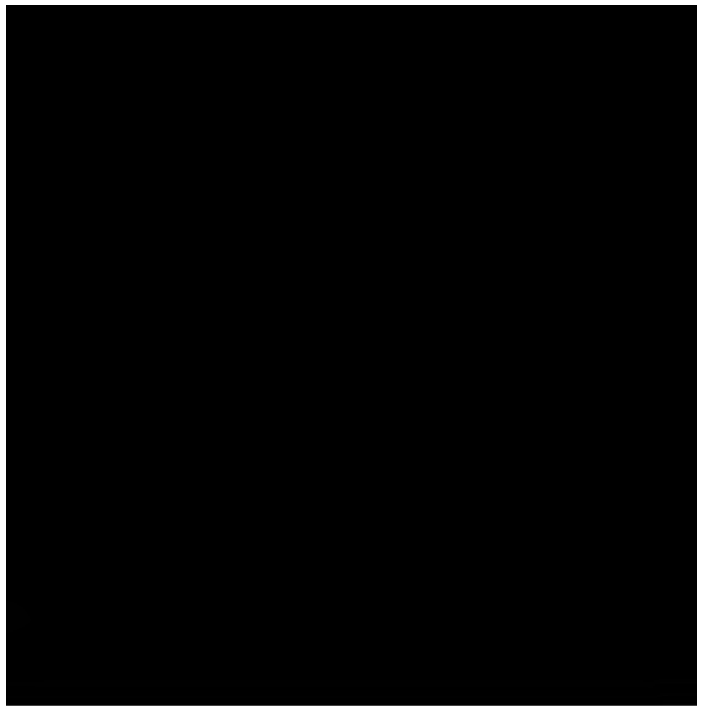


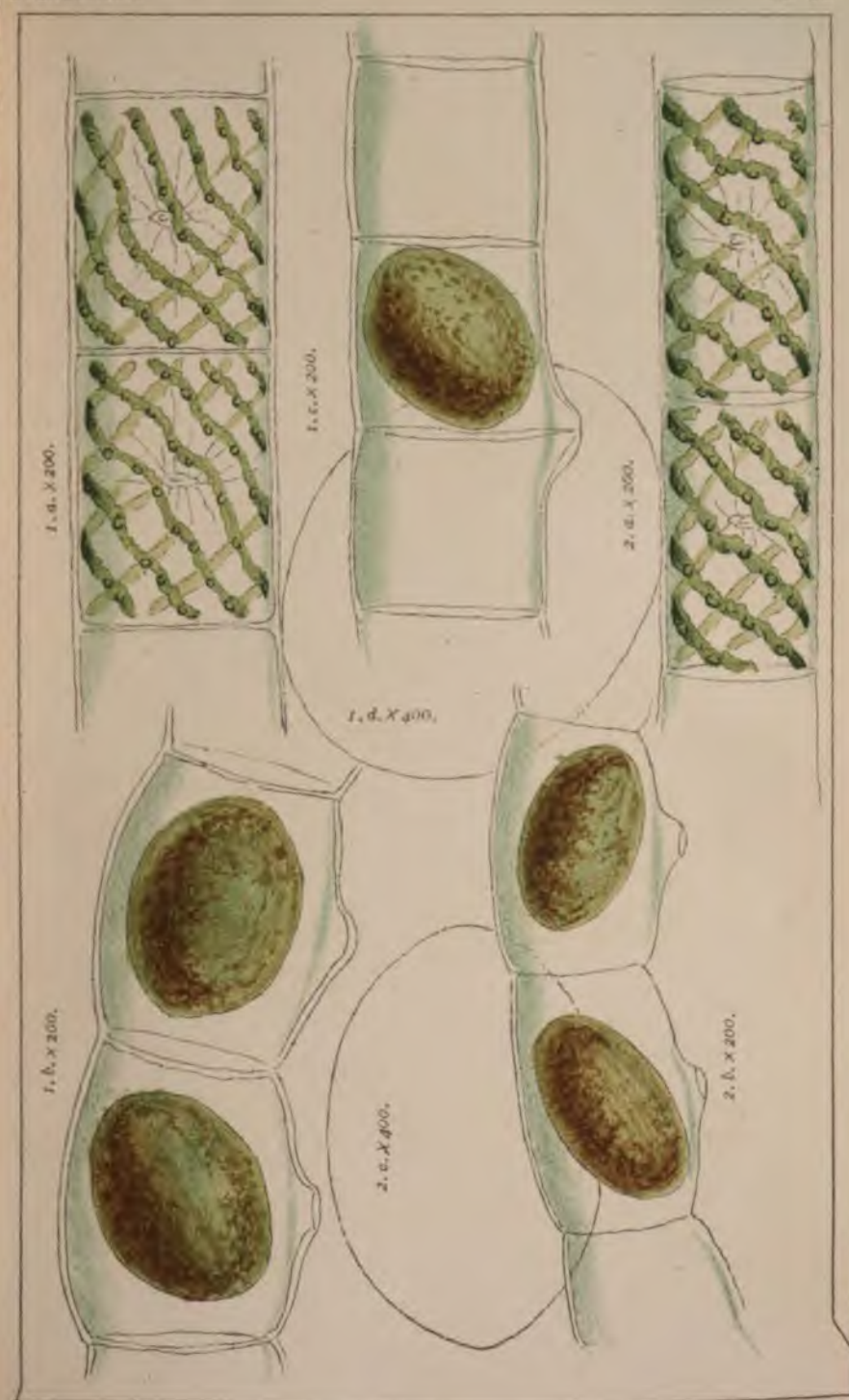


1. *Zygnema anomalum*. Ralfs. 2. *Zygnema leioaspermum*. (B)
3. *Zygnema insignis*. Kütz.



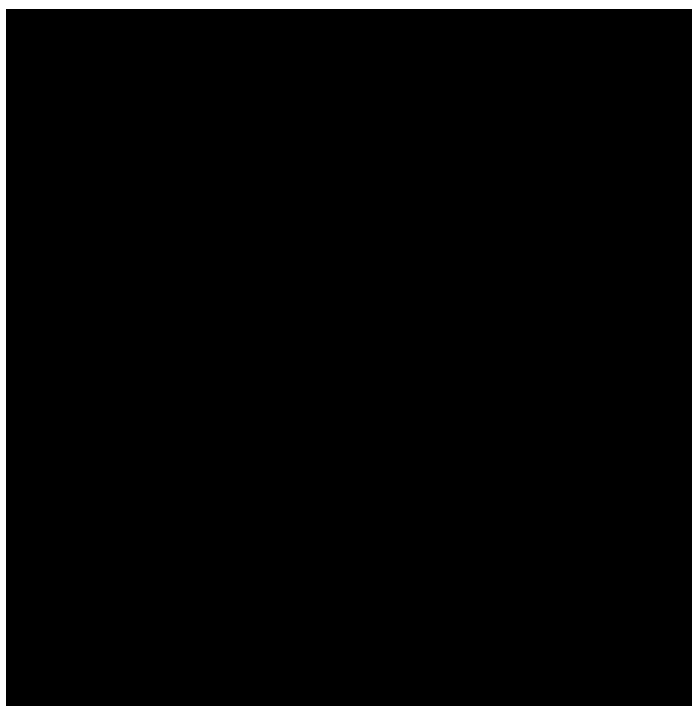




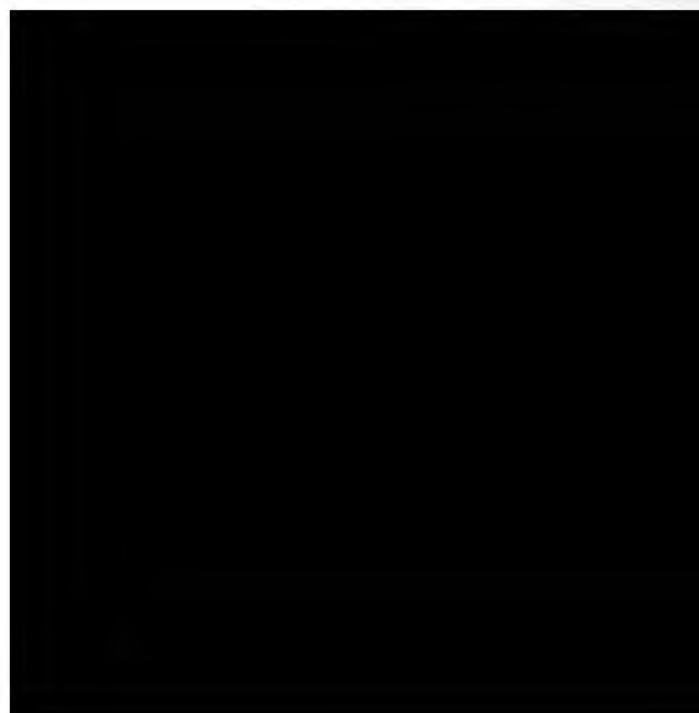


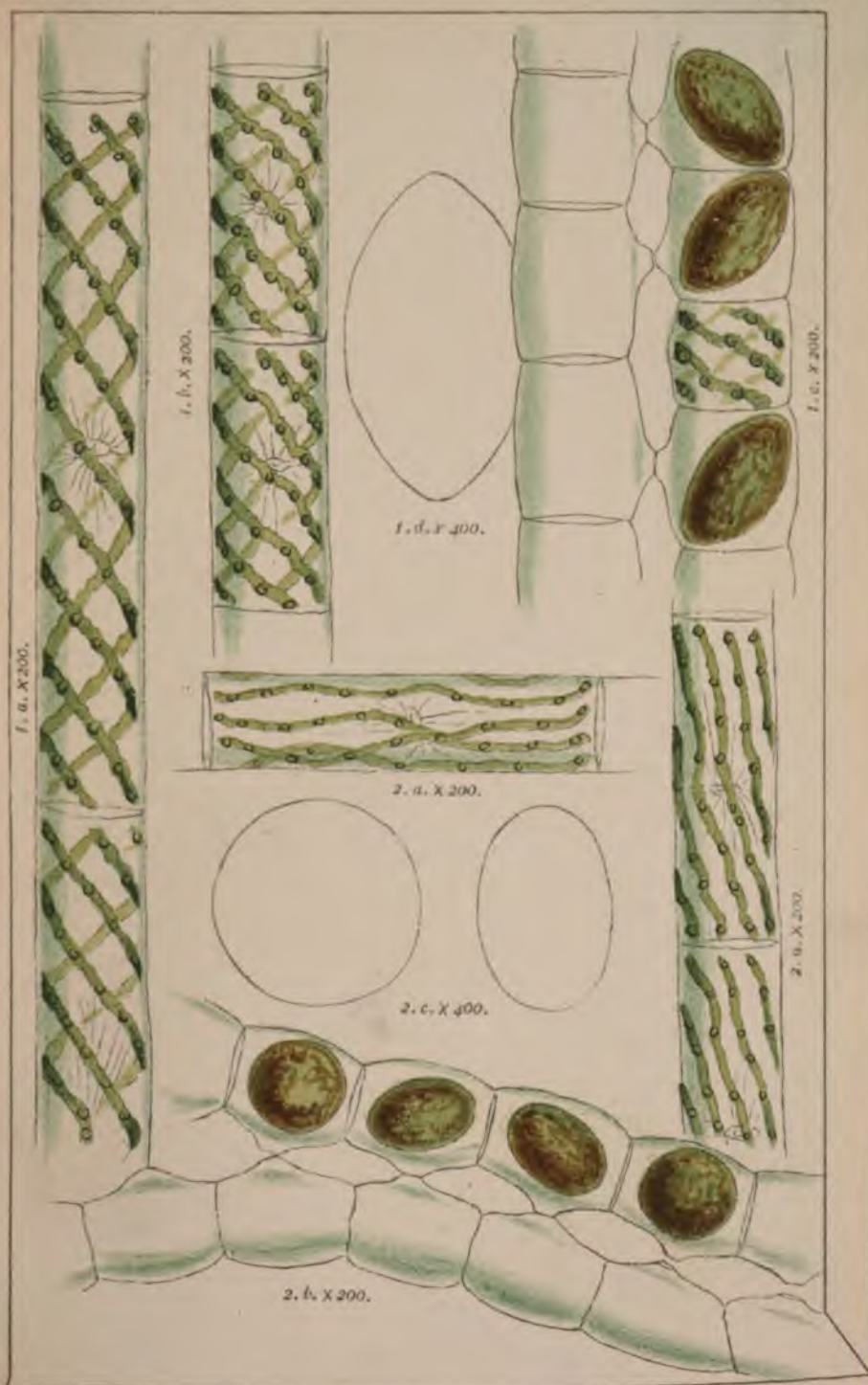
1. *Spirogyra crassa*. Kutz.

2. *Spirogyra jugalis*. Dillw.







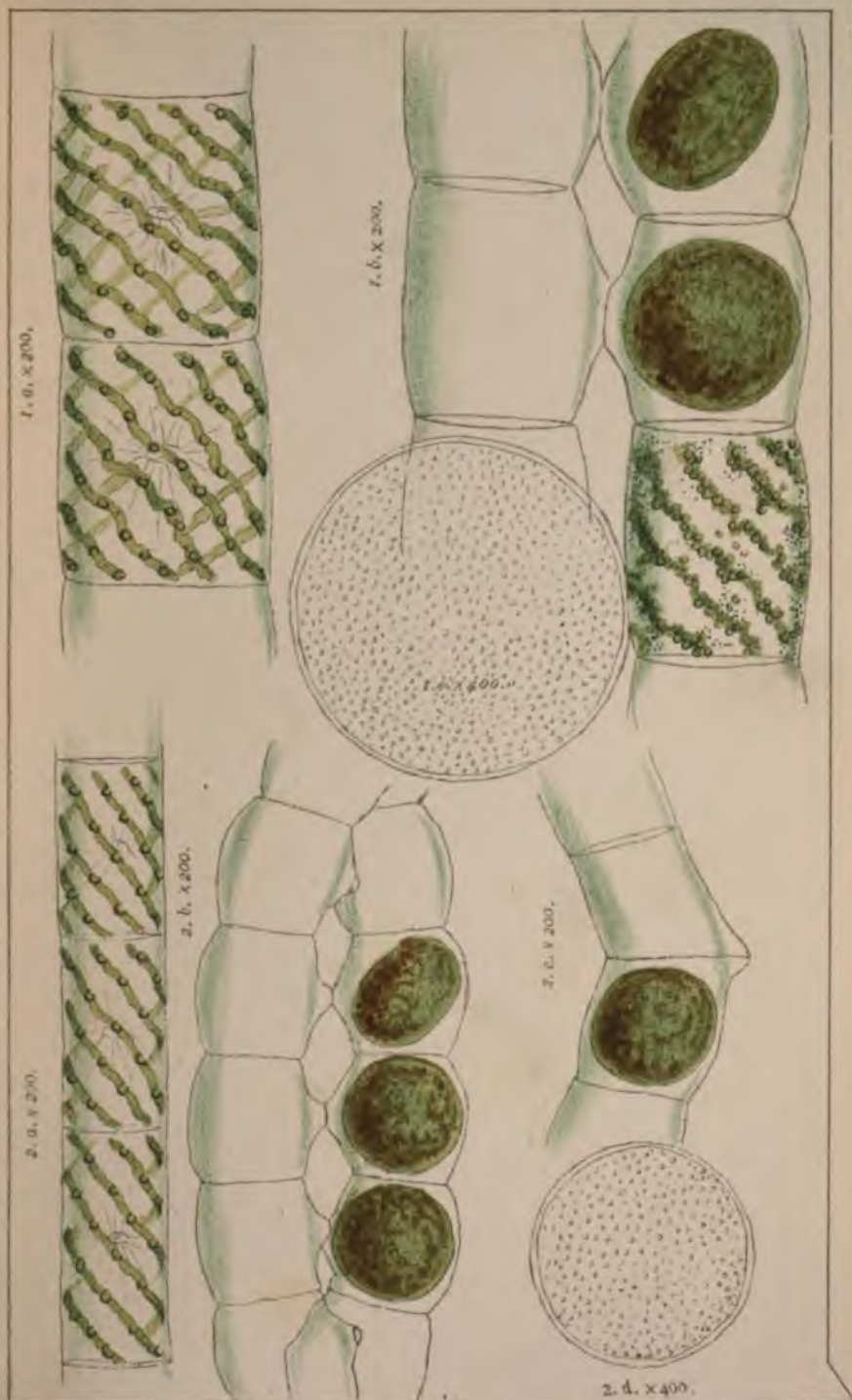


1. *Spirogyra nitida*. Dillw. 2. *Spirogyra orthospira*. Nag.







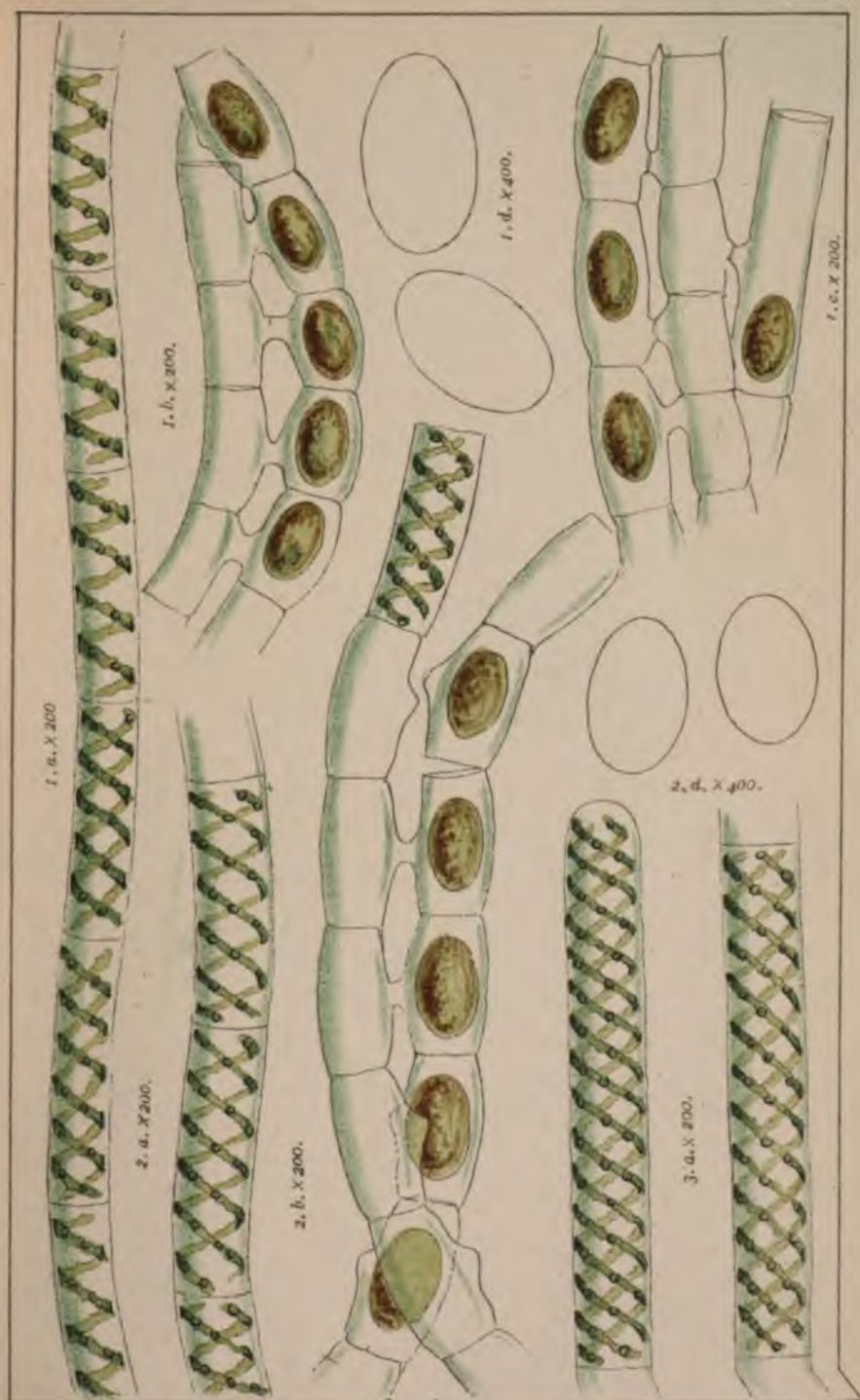


1. *Spirogyra orbicularis*. Hass. 2. *Spirogyra bellii*. Hass.









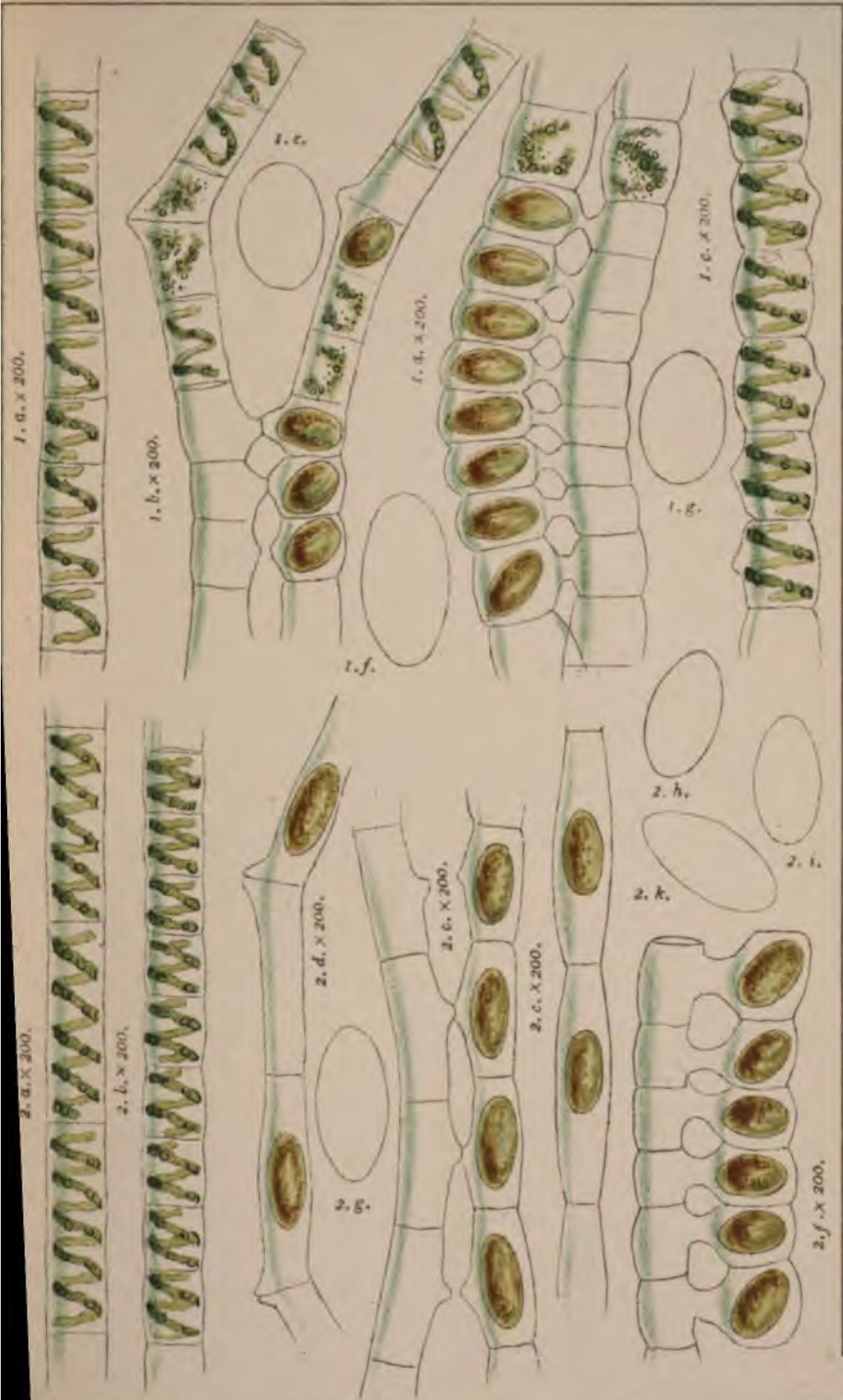
Spirogyra porticalis. Vauch.

1. forma quinina. 2. forma decinina. 3. forma rinularis







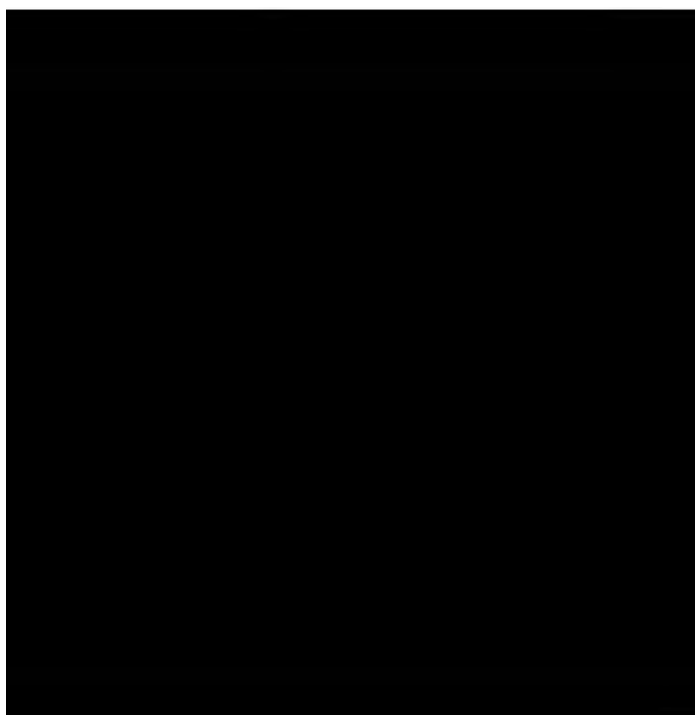


Spirogyra condensata. Vauch.

2. *Spirogyra longata*. Vauch.



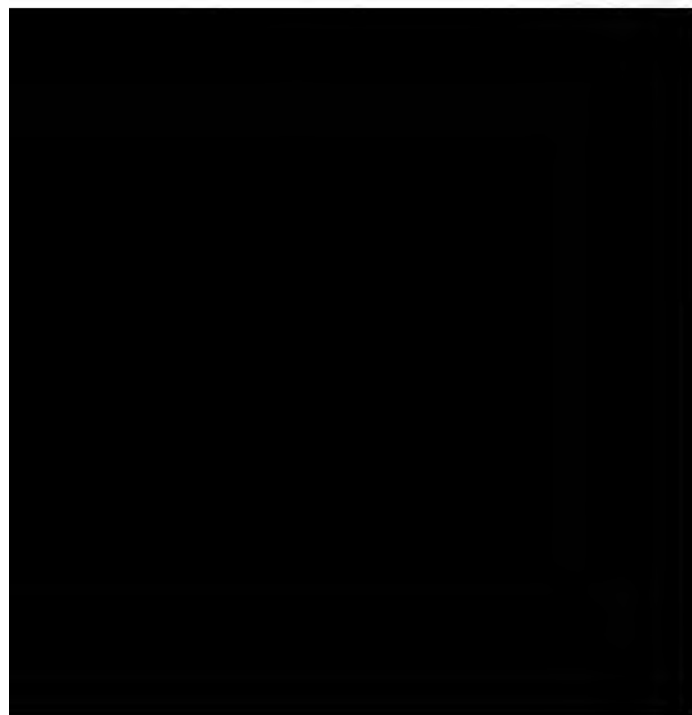




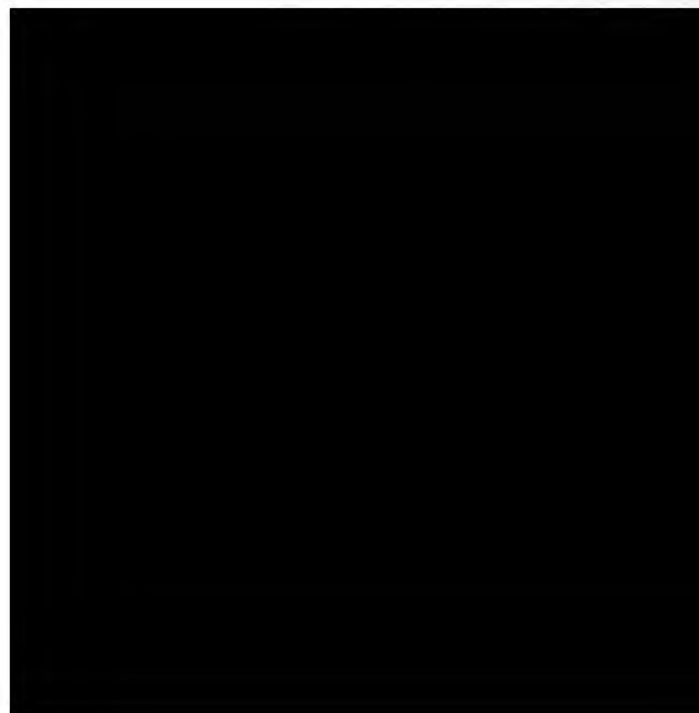


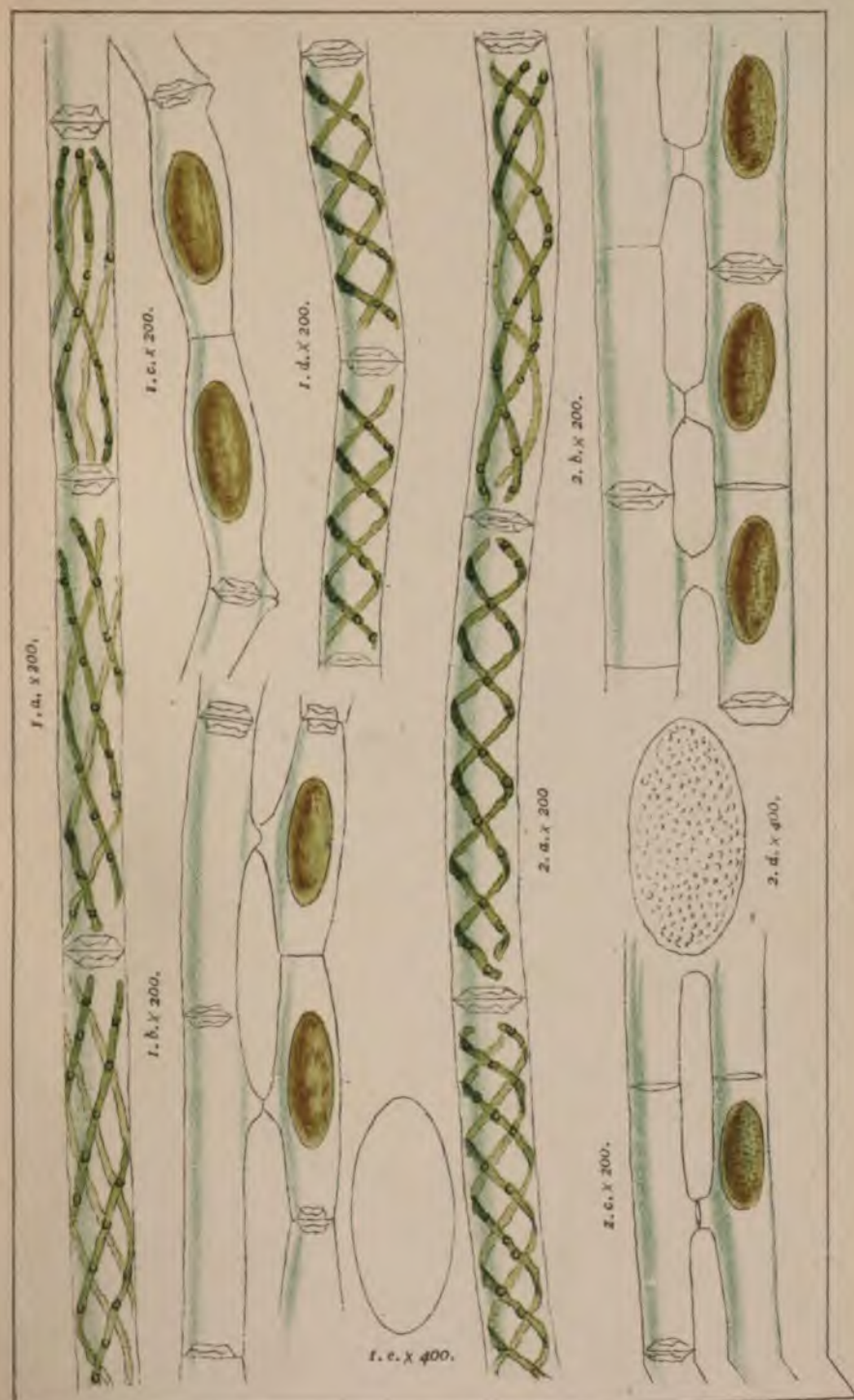
Spirogyra flavesceus. Kütz.

1. var. gracilis 2. var. flavesceus 3. var. parva.

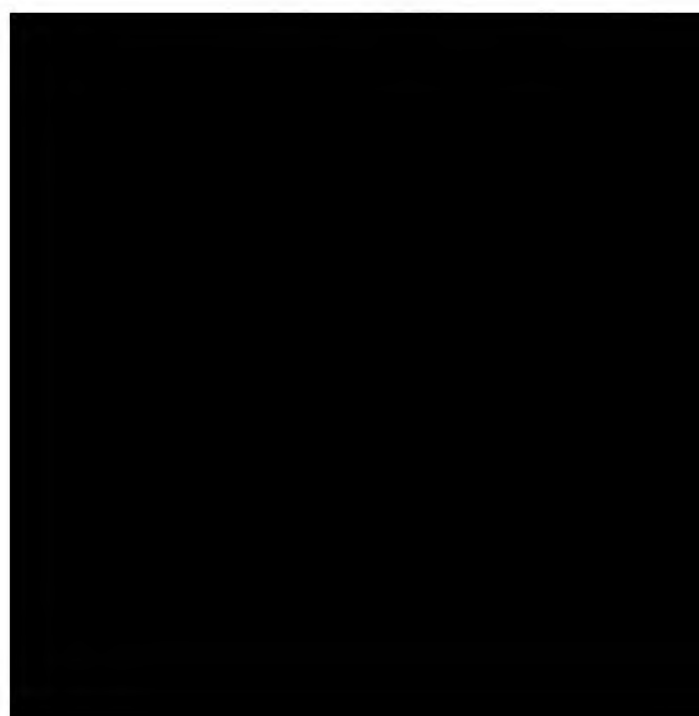






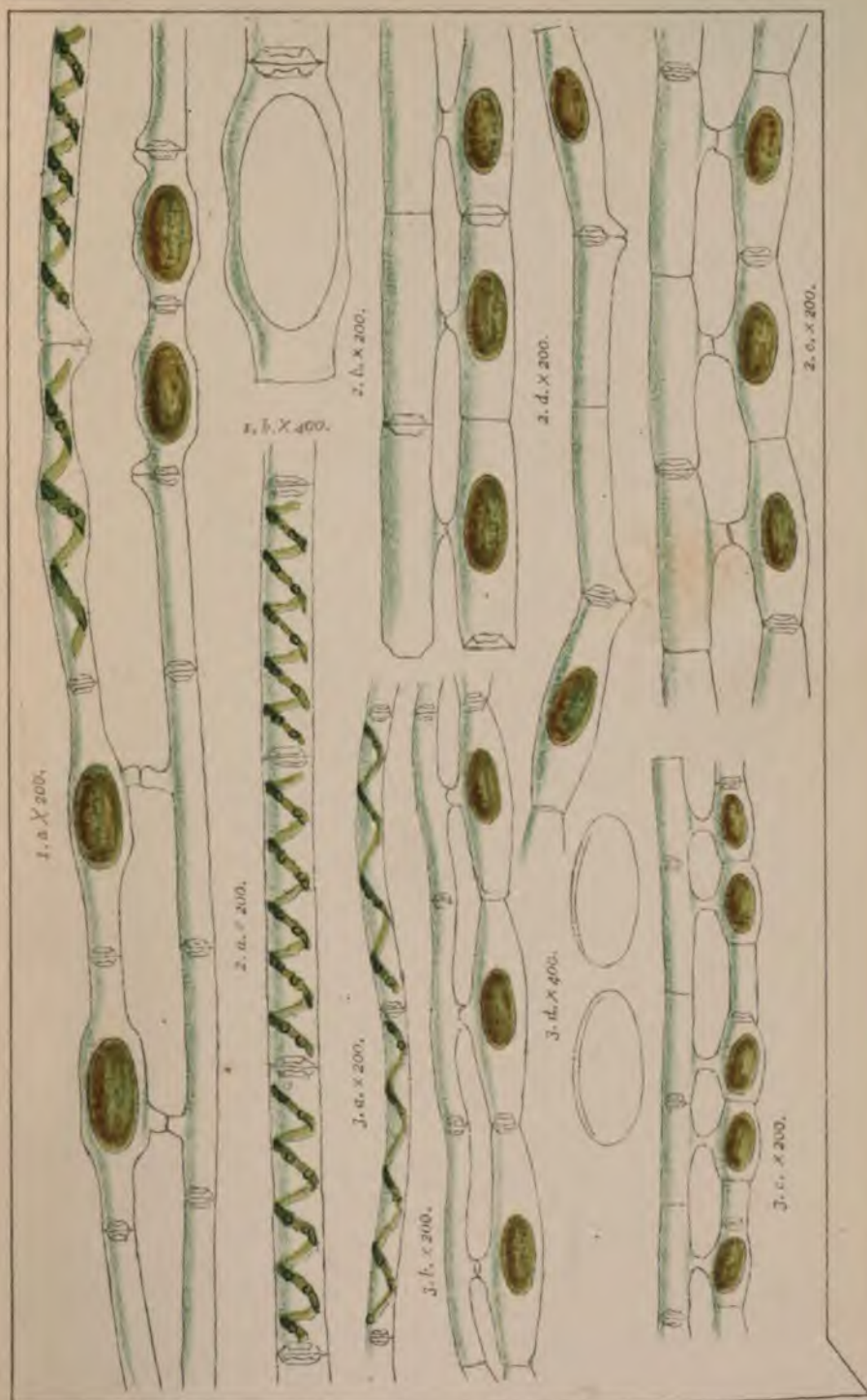


1. *Spirogyra insignis*. Hass. 2. *Spirogyra calospora*. Cleve.

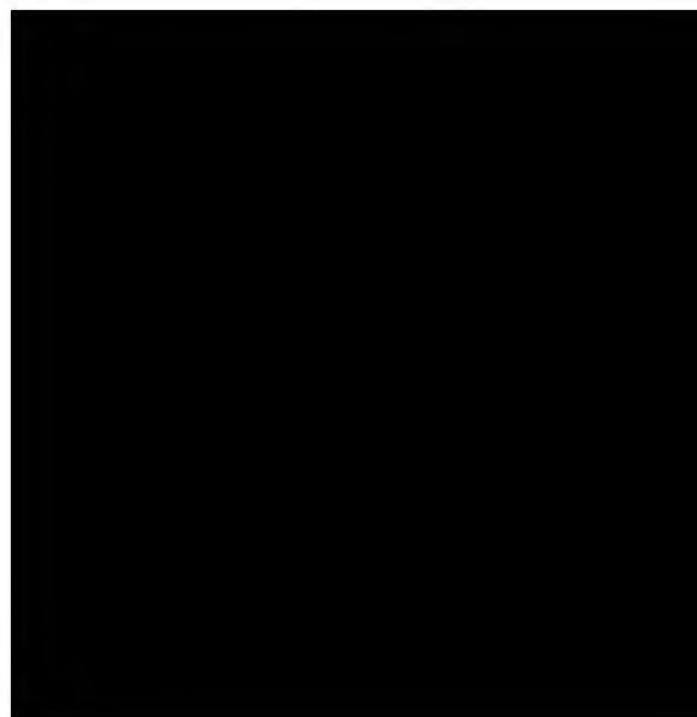






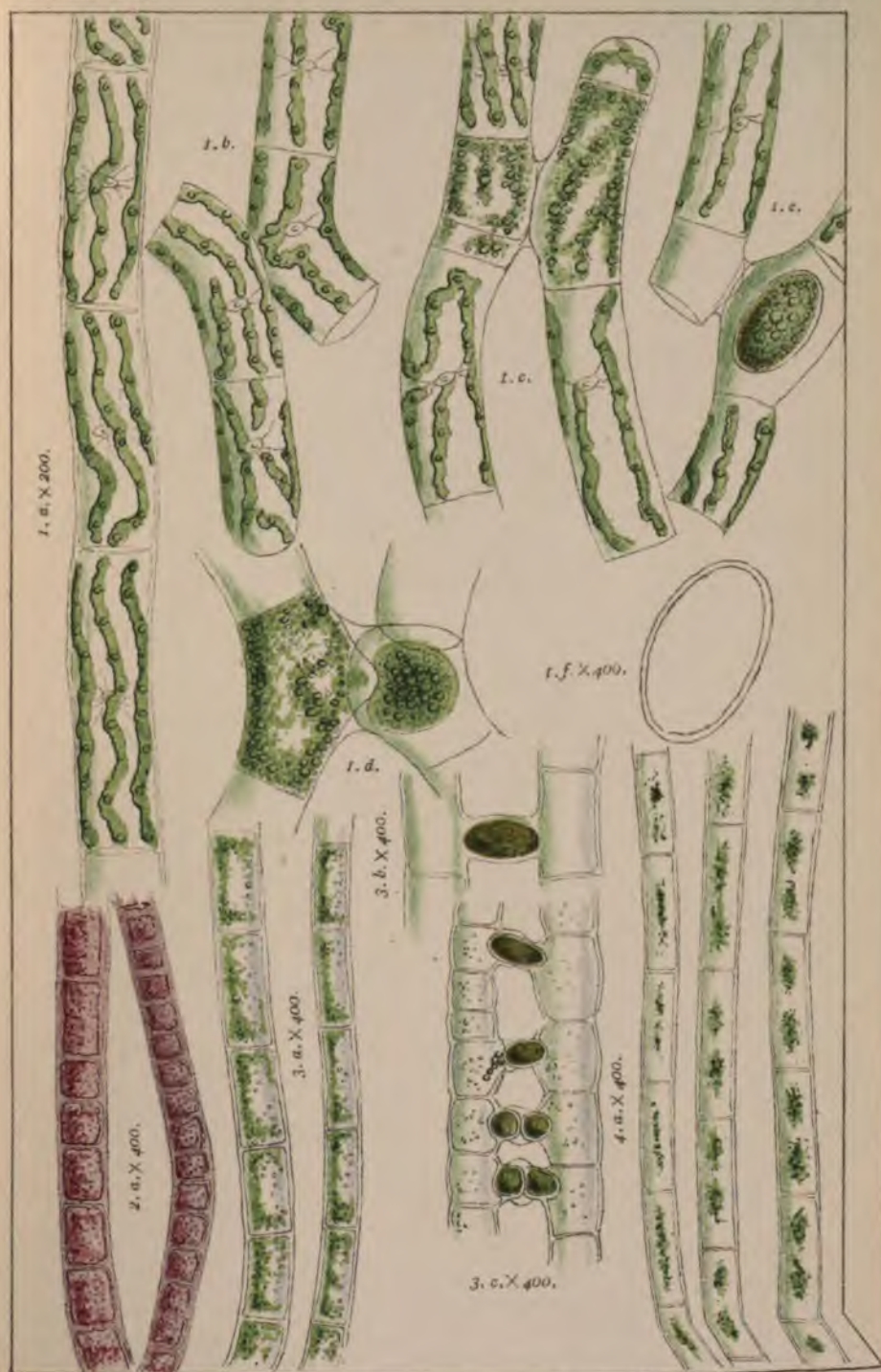


1. *Spirogyra quadrata*, Hass. 2. *Spirogyra Weberi*, Kutz.
3. *Spirogyra tenuissima*, Hass.





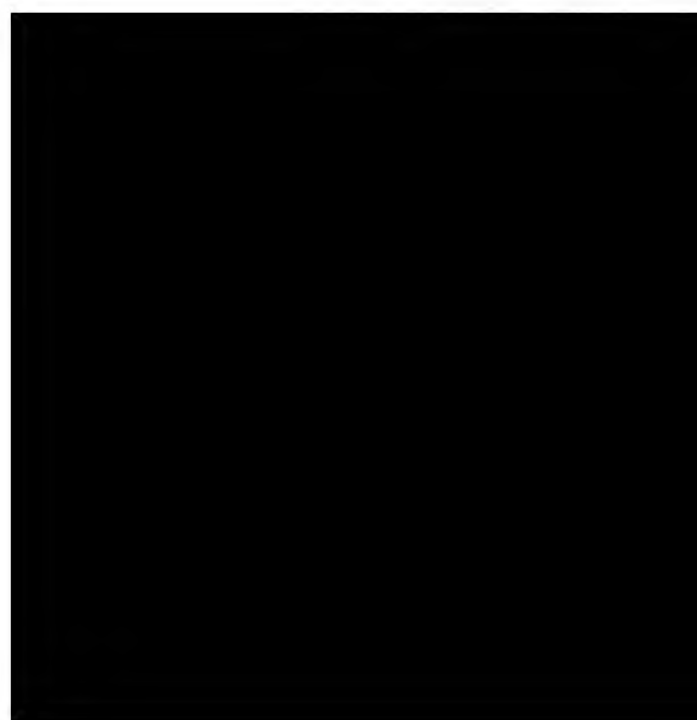


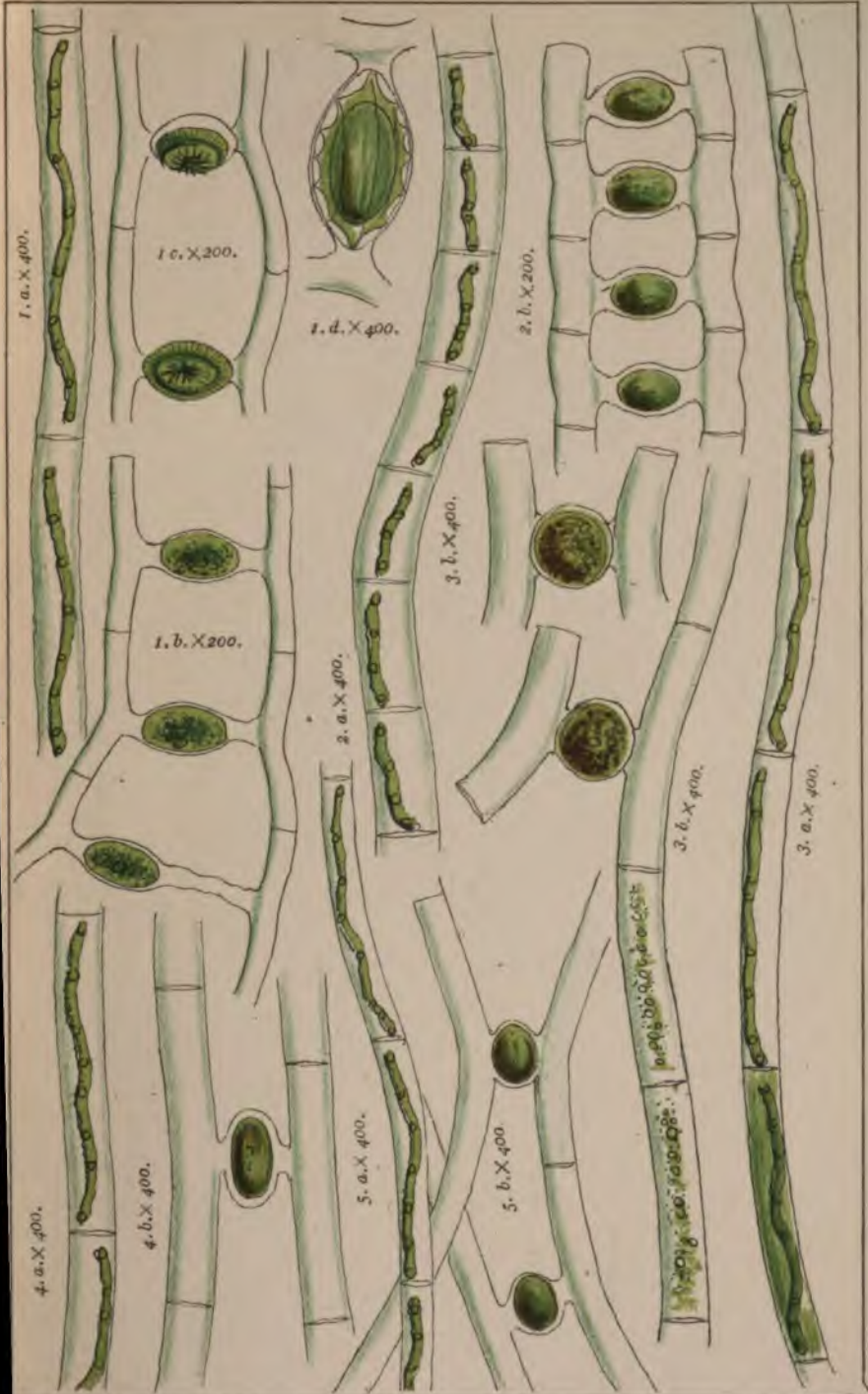


1. *Syngonium sticticum*. Kutz. 2. *Zygonium ericetorum*. ♂ B.
 3. *Z. ericetorum*, var. *aquaticum*. 4. *Zygonium gracile*. Berk.

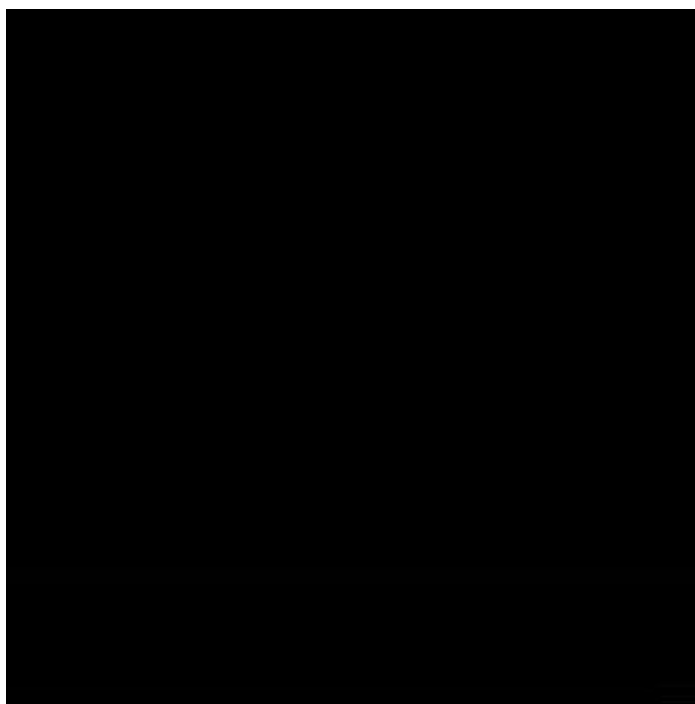






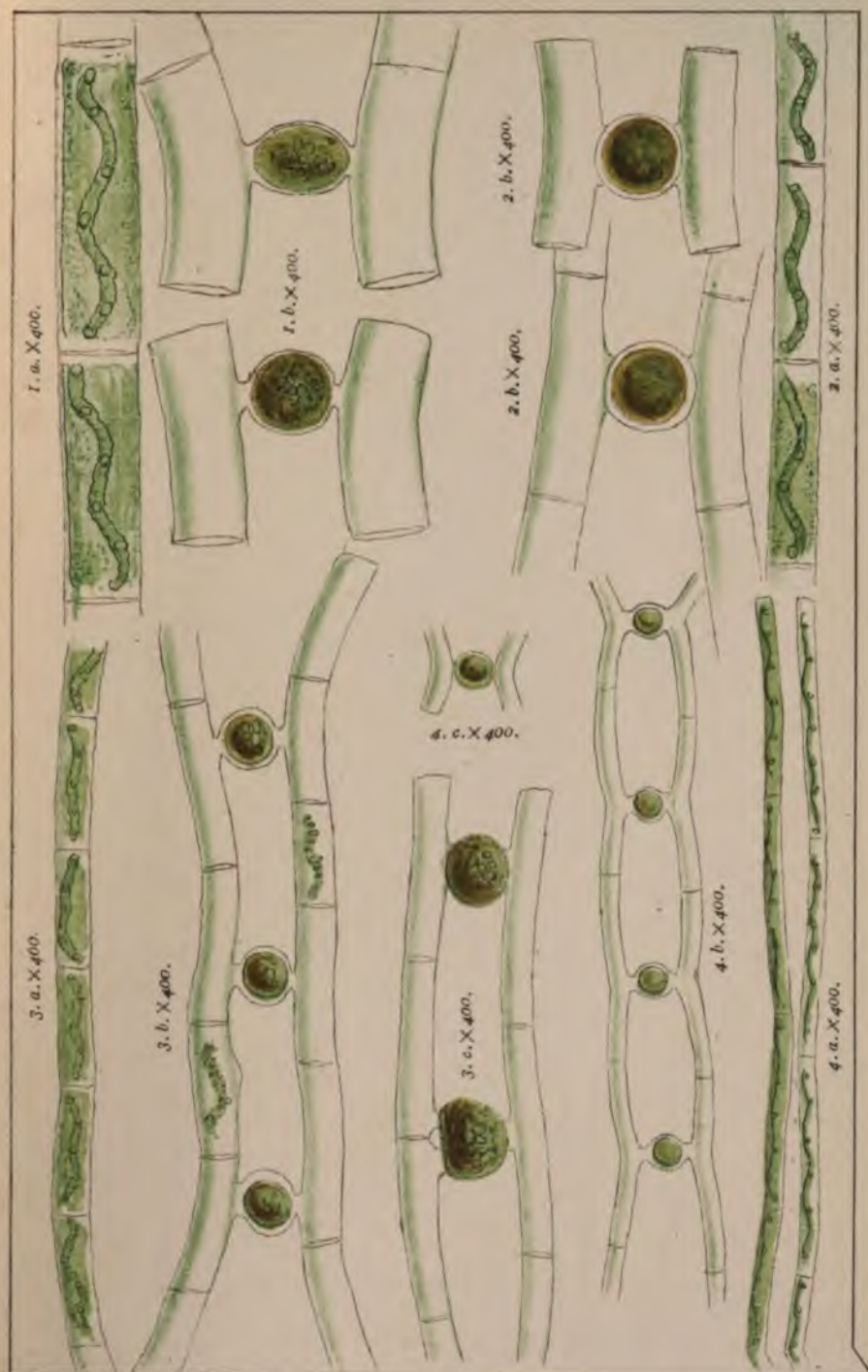


1. *Mougeotia glyptosperma*. (D) By. 2. *Mougeotia laevis*. Archer.
 3. *Mesocarpus nuramuloides*. Hass. 4. *Mesocarpus depressus*. Hass.
Mesocarpus depressus, var. *ovalis*.

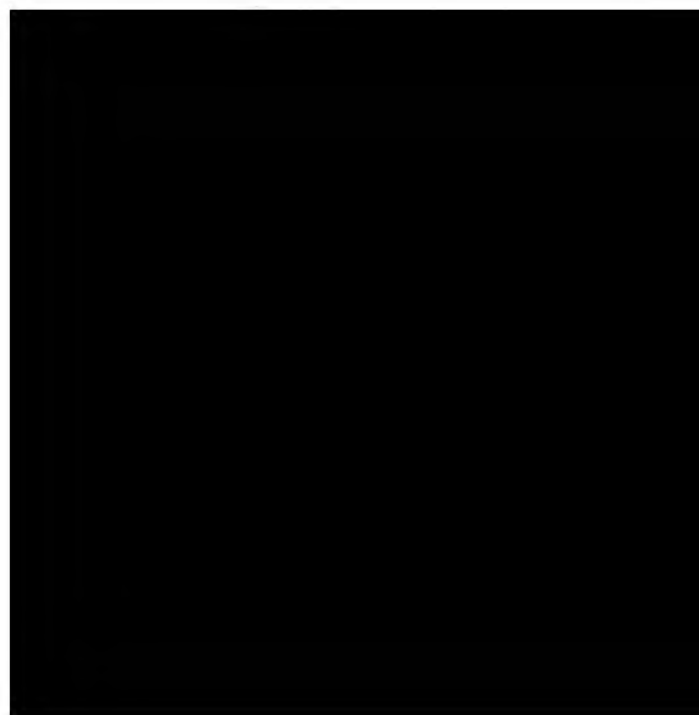




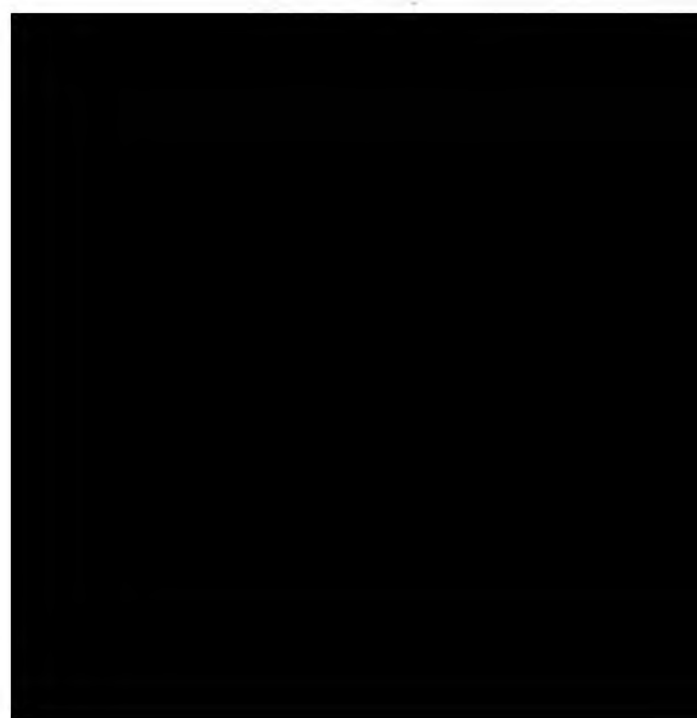


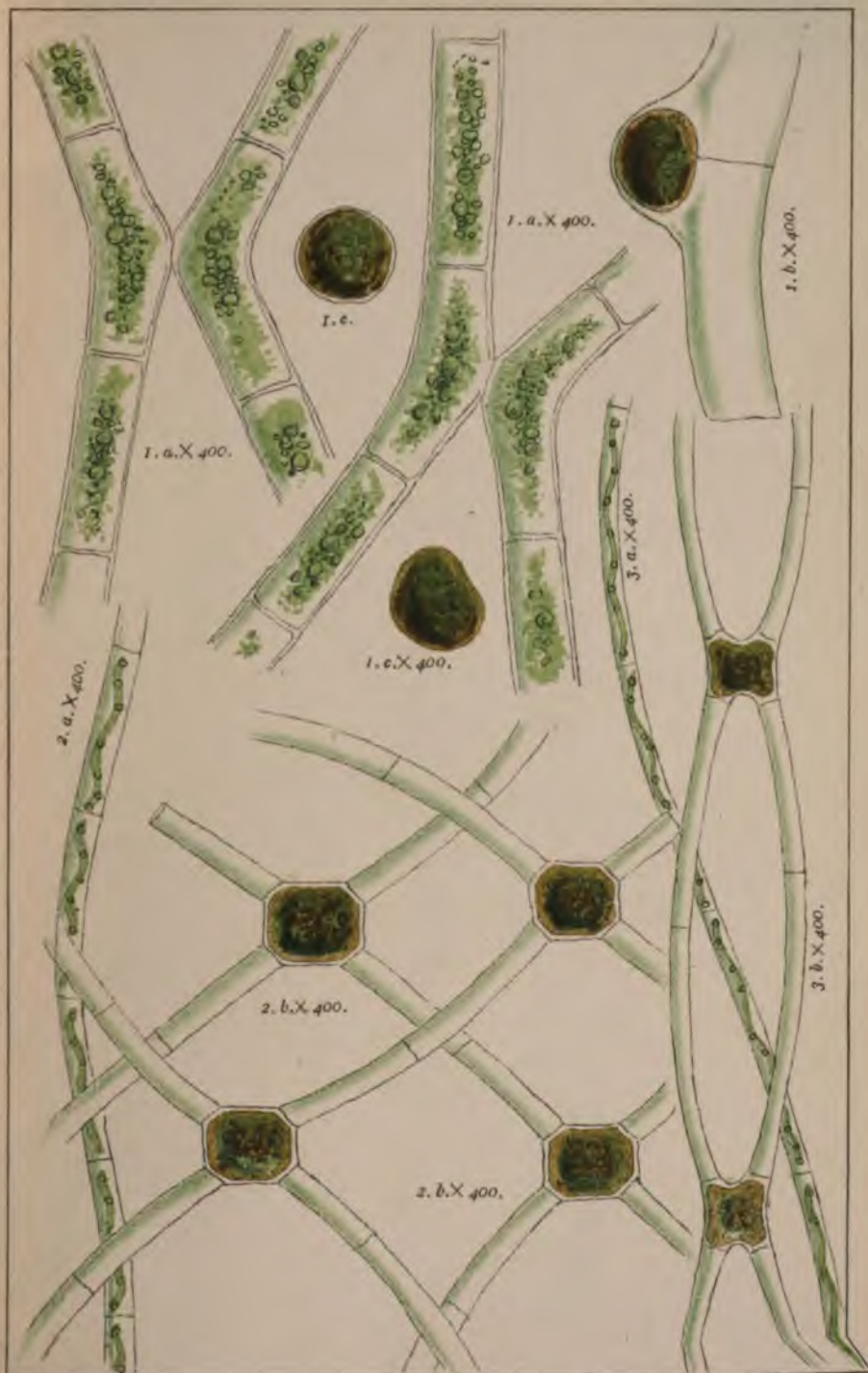


1. *Mesocarpus scalaris*. Hass. 2. *Mesocarpus recurvus*. Hass.
 3. *Mesocarpus parvulus*. Hass. 4. *M. parvulus*, var. *angustus*. Ho

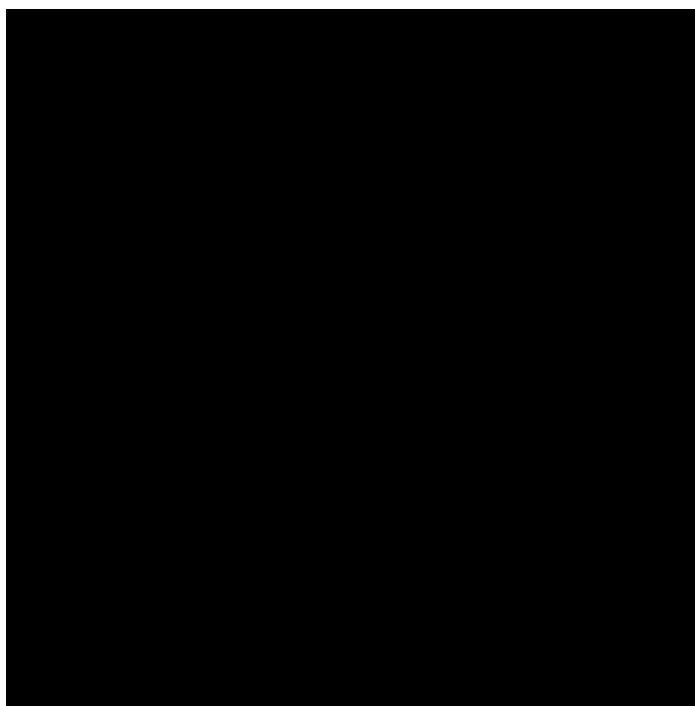




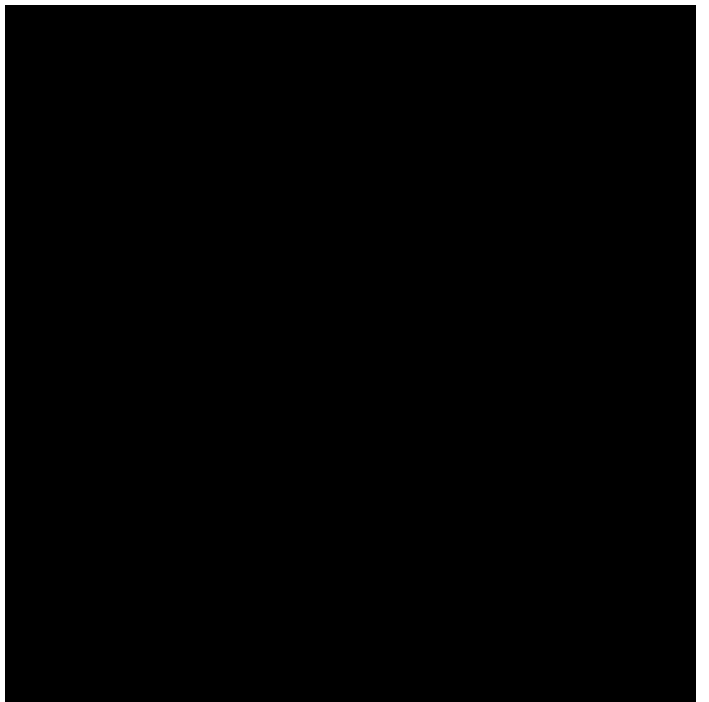


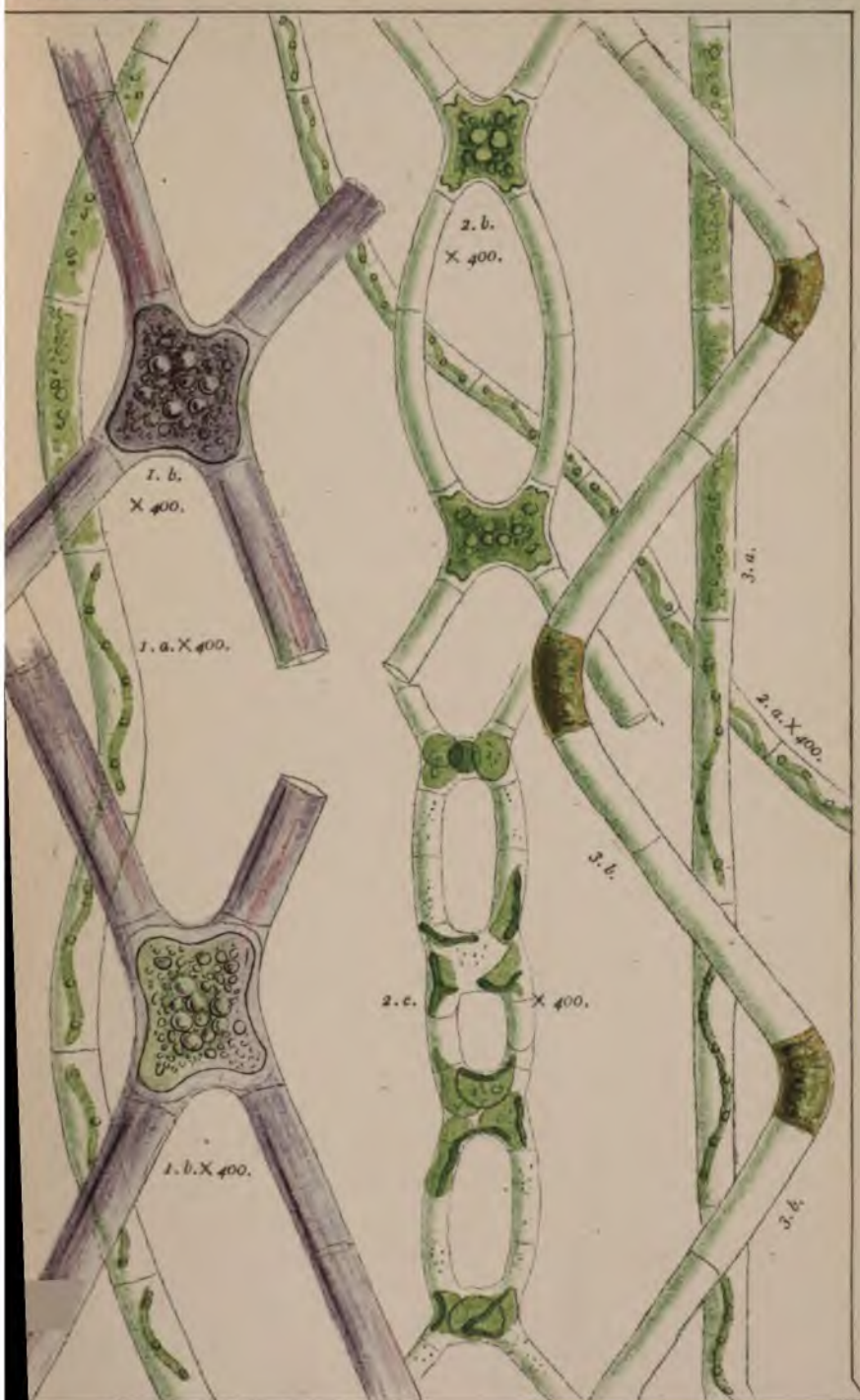


1. *Mesocarpus pleurocarpus*. DBy. 2. *Staurospermum quadratum*. H.
3. *Staurospermum gracillimum*. Hass.

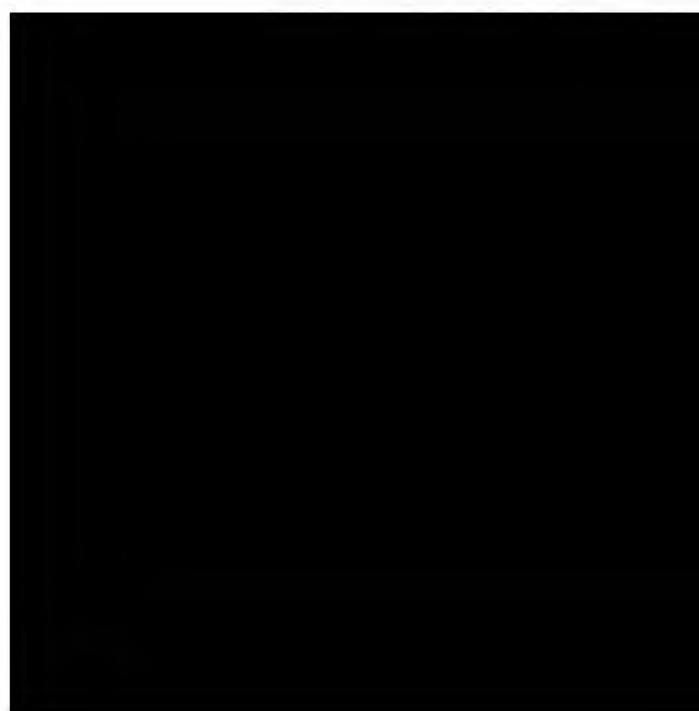






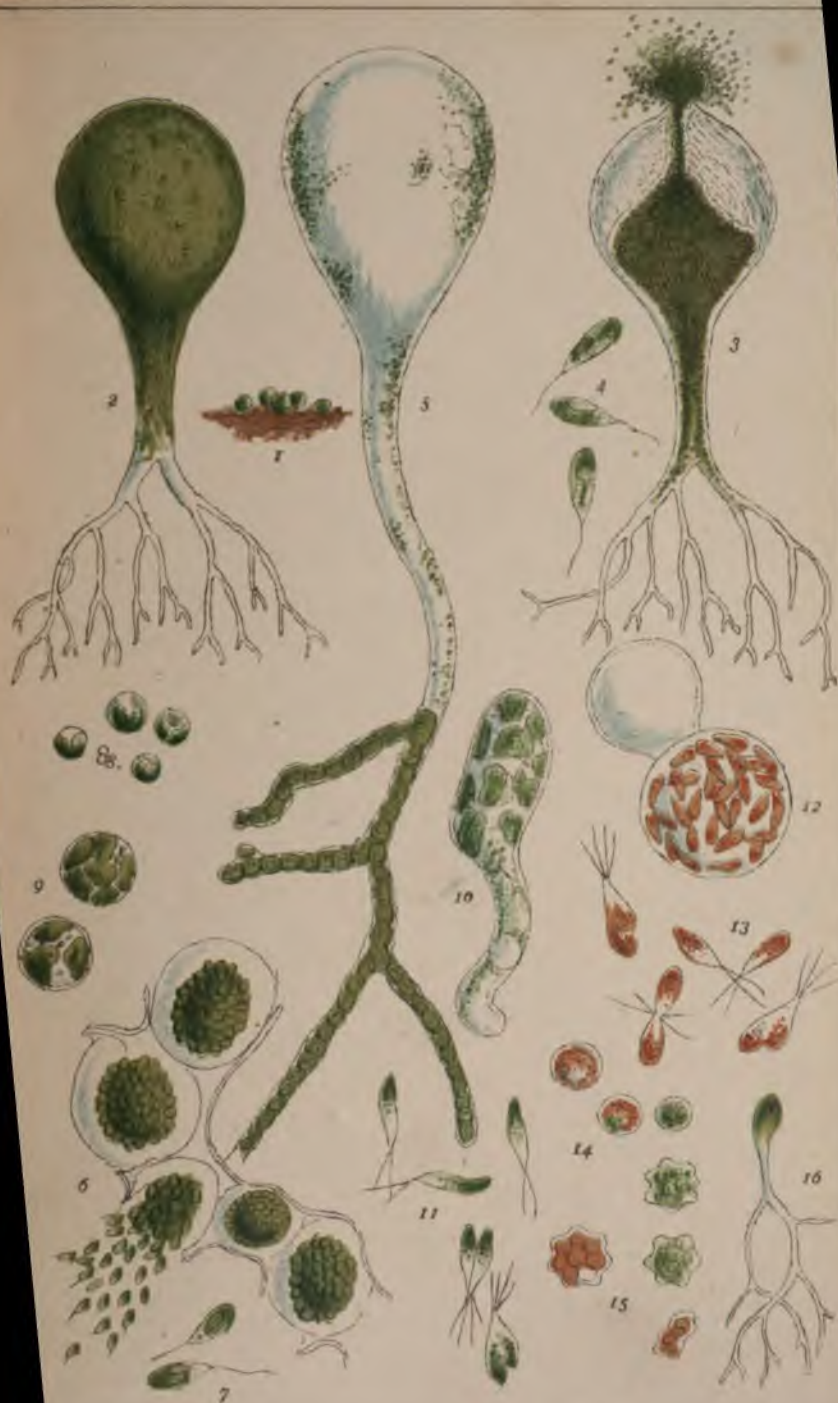


Staurospermum capucinum, Bory. 2. *Staurospermum viride*, Kütz.
3. *Gonatonema mirabile*, Hass.









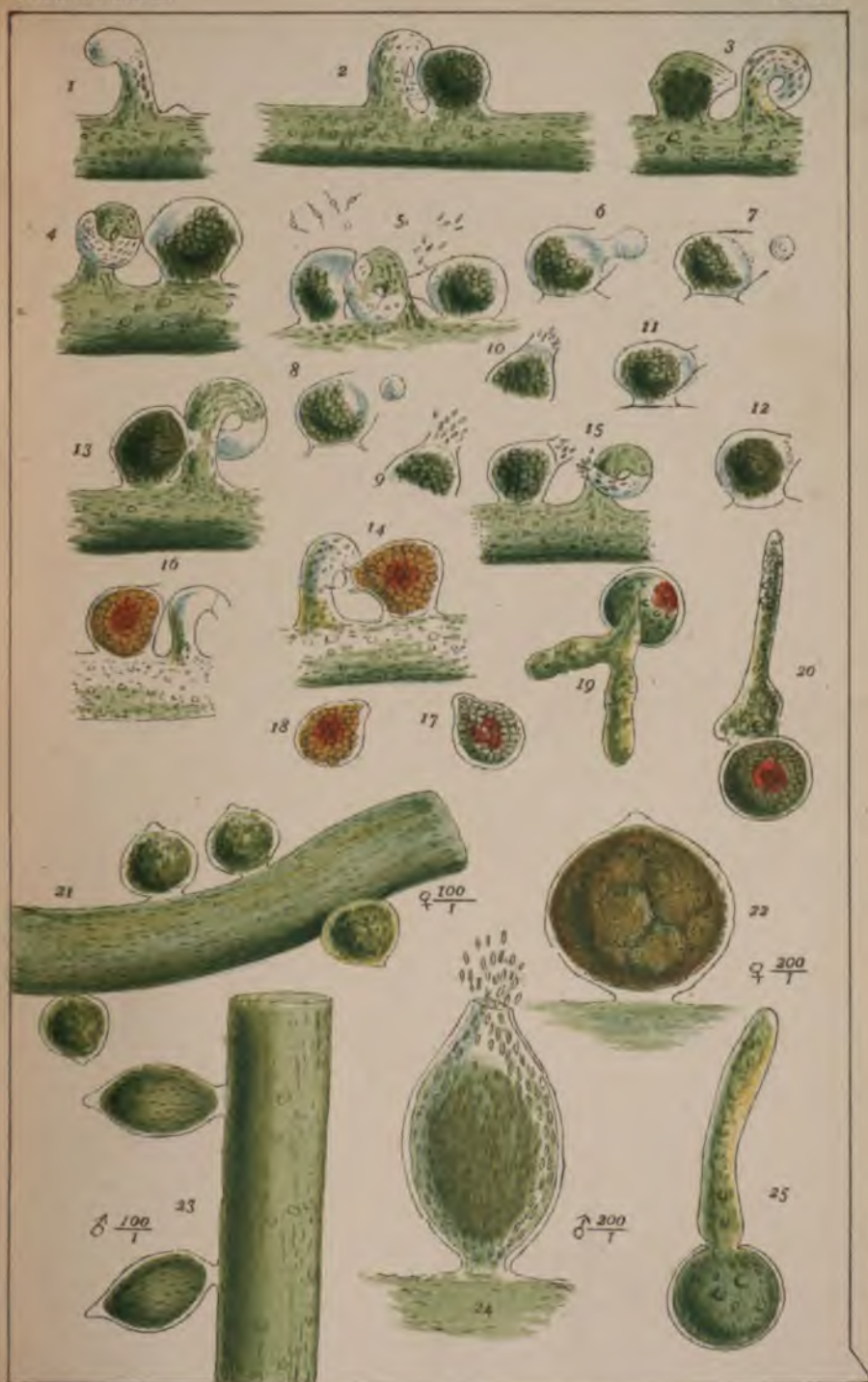
Botrydium granulatum, after Woronin.



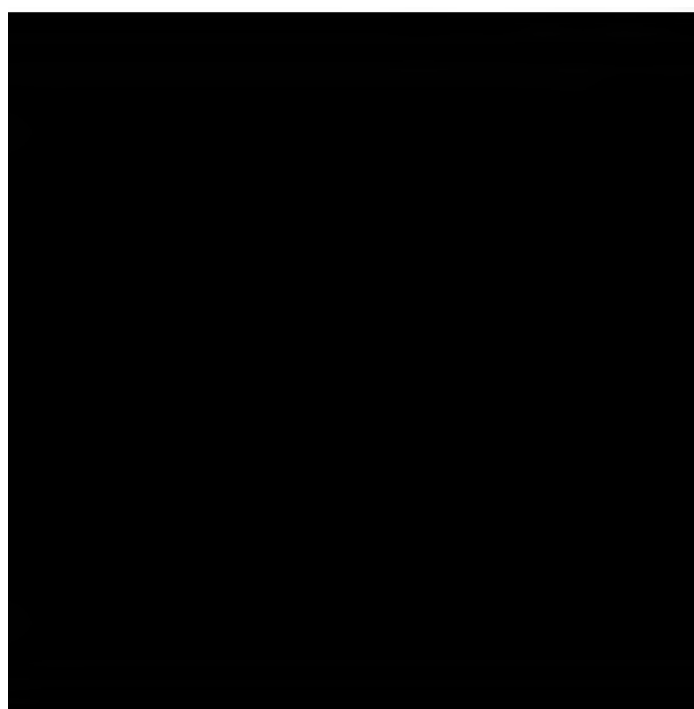


1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1010 spectrophotometer.

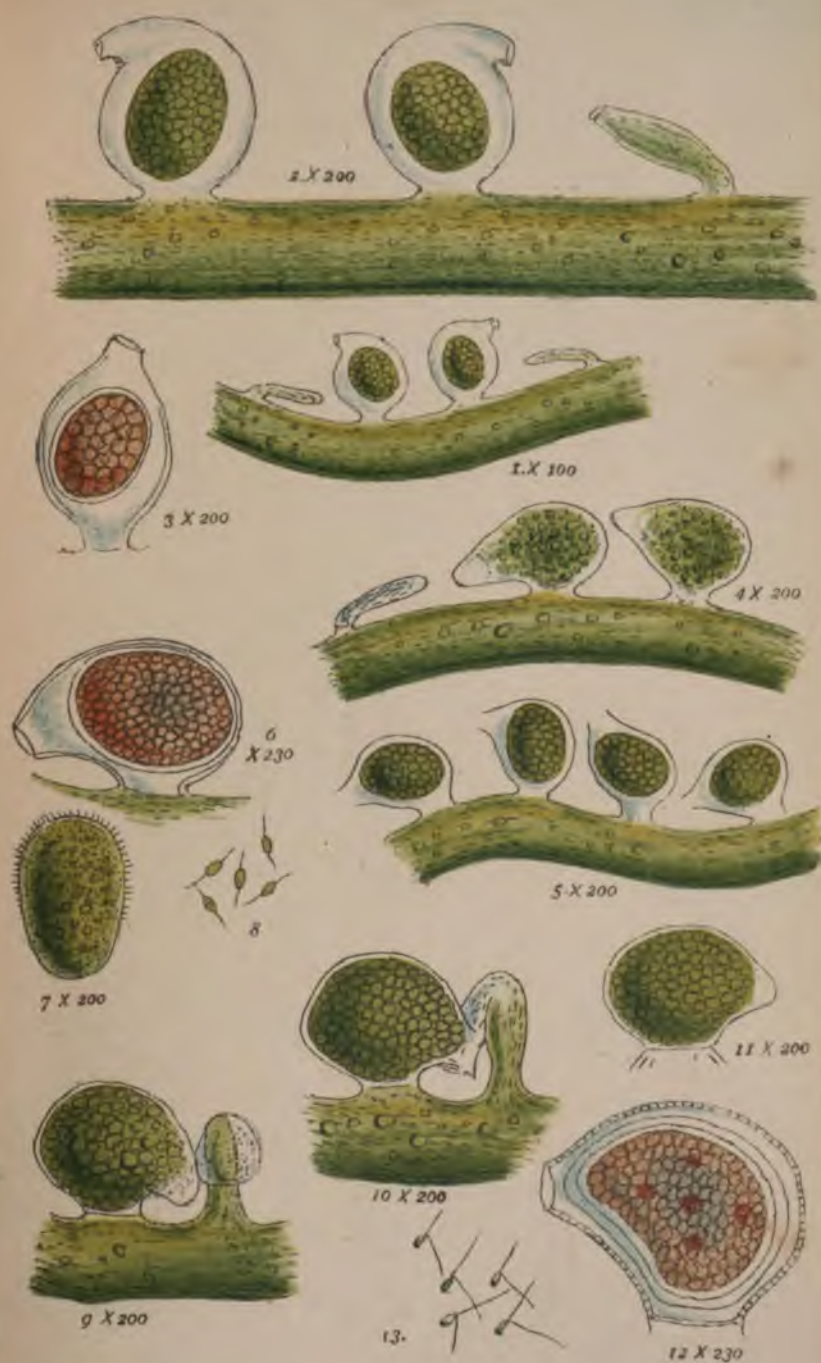




1-20, Impregnation of *Vaucheria sessilis*. 21-25, *Vaucheria dichotoma*. L.





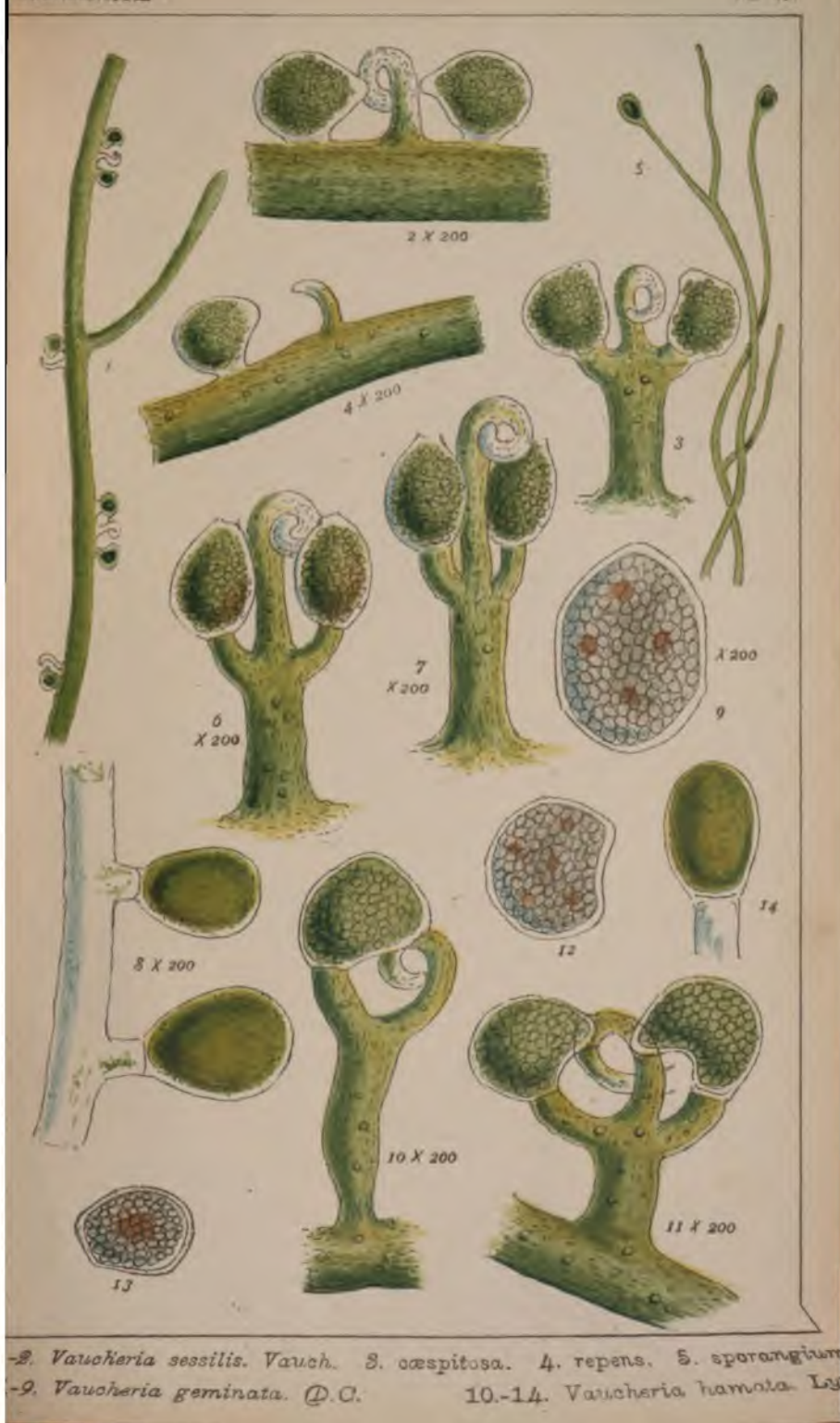


1-3 *Vaucheria aversa*, Hass. 4-8. *Vaucheria sericea*, Lyngb.
9-13. *Vaucheria Dittwynii*, Ag.









2. *Vaucheria sessilis*. Vauch. 3. *V. cæspitosa*. 4. *V. repens*. 5. *V. hamata*. 6. *V. hamata*. 7. *V. hamata*. 8. *V. hamata*. 9. *V. hamata*. 10. *V. hamata*. 11. *V. hamata*. 12. *V. hamata*. 13. *V. hamata*. 14. *V. hamata*.







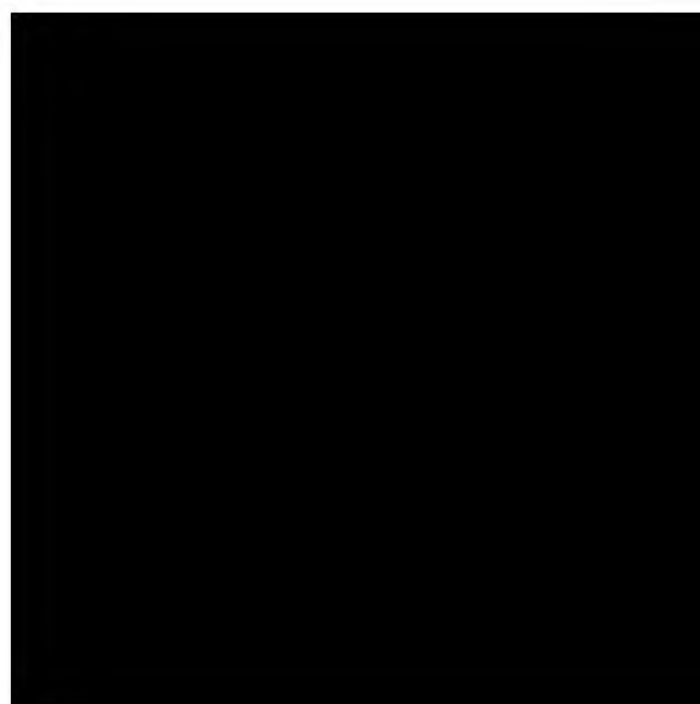


1-3 *Vaucheria terrestris*. Lyngb.
 5-6 *Vaucheria submarina*. Berle.

4. *Vaucheria racemosa*. Hass.
 7. *Vaucheria velutina*. Ag.





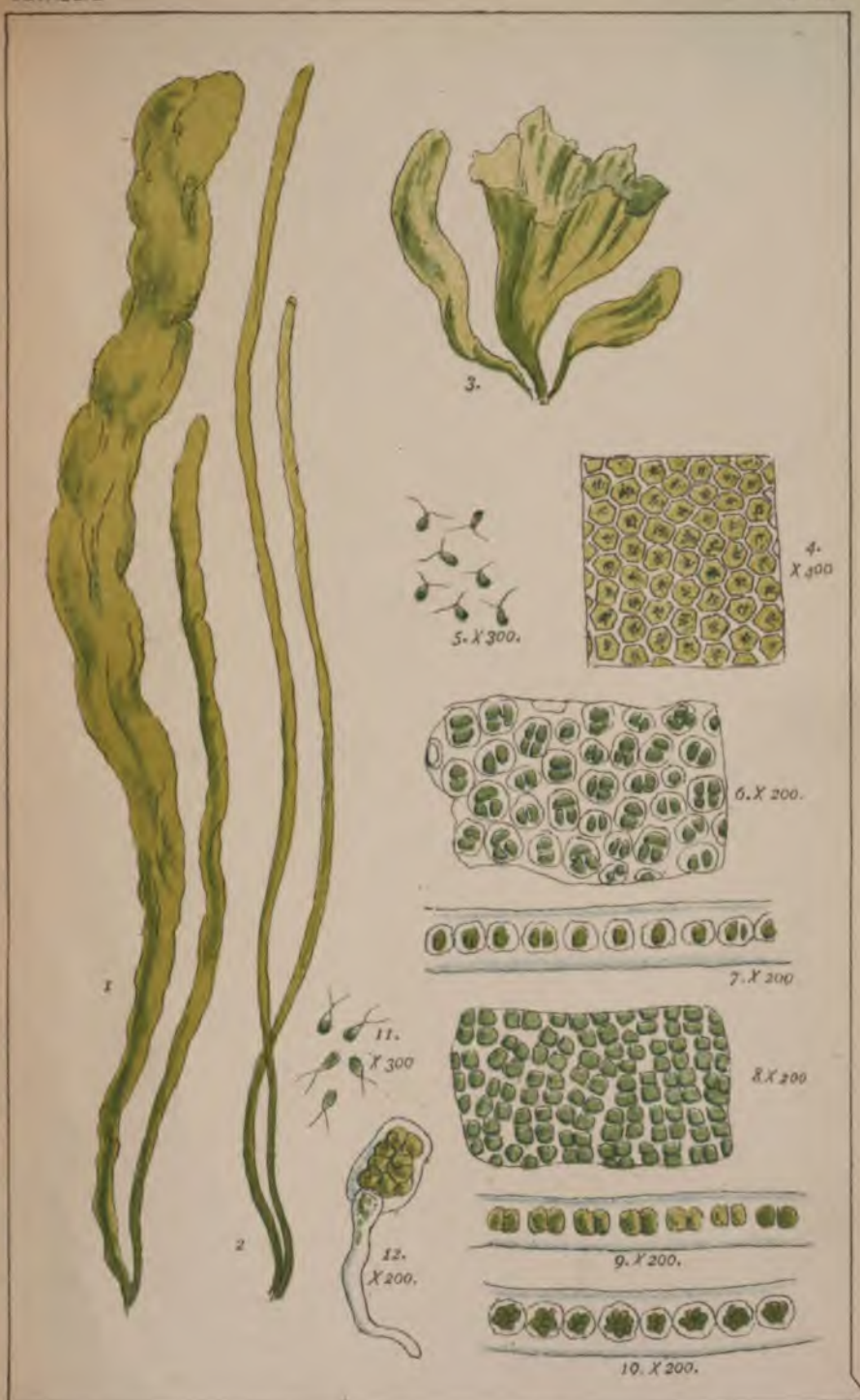


1.-2. *Prasiola crispata*. Kütz.3.-4. *Prasiola salophylla*. Garm.5.-7. *Prasiola furfuracea*. Men.8.-11. *Prasiola stipitata*. Suhr.





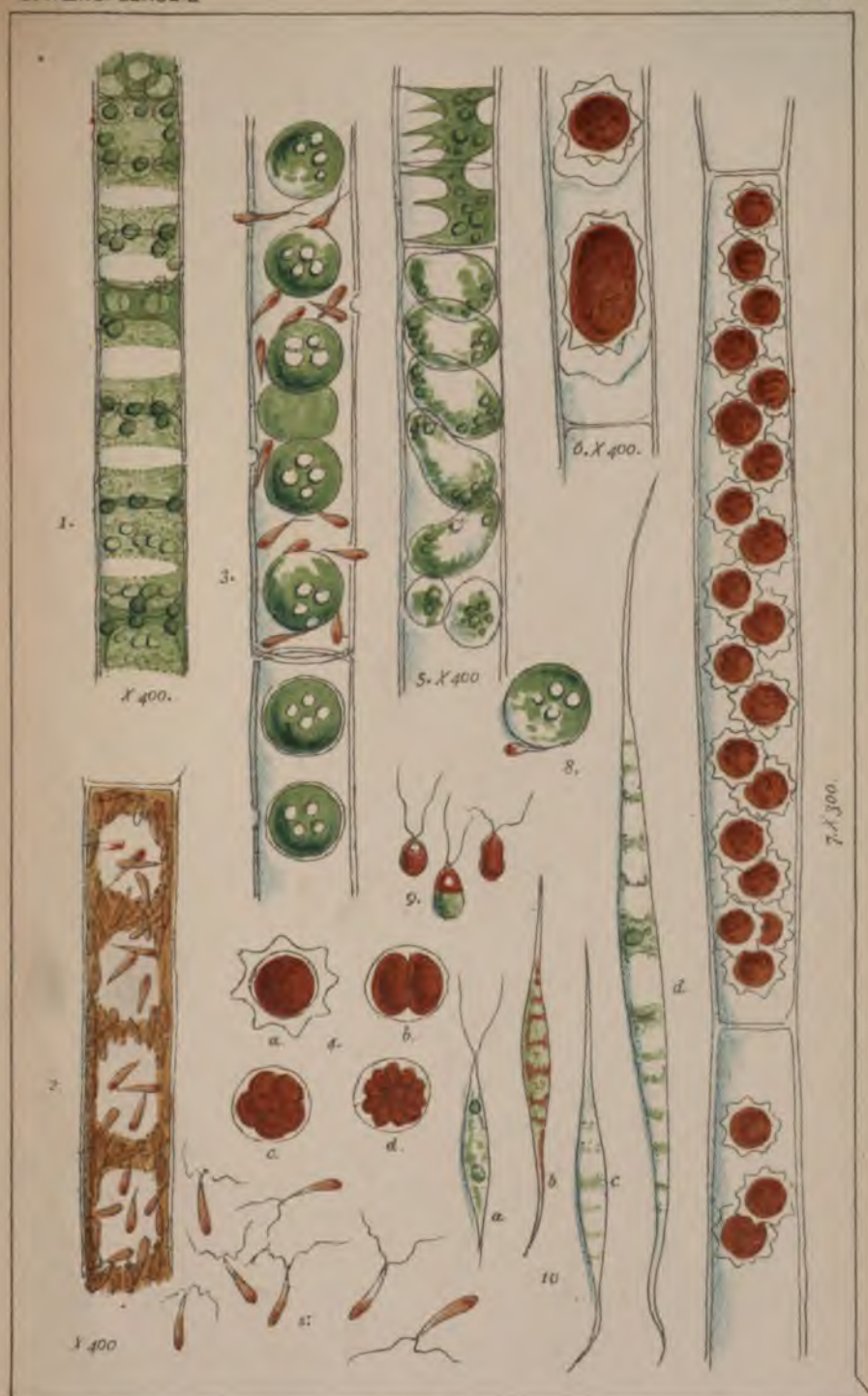




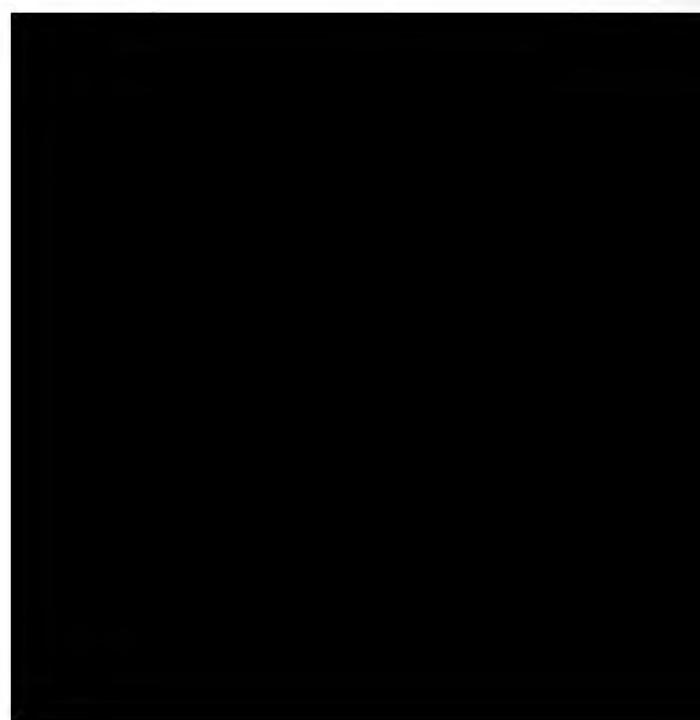
1.-5. *Enteromorpha intestinalis*, L. 6.-7. *Monostroma laceratum*, Thur.
8.-12. *Monostroma Wittrockii*, Born.







Sphæroplea annulina Ags. $\times 400$.





1. The first part of the document is a list of names and addresses. The names are: John Doe, Jane Doe, and John Doe. The addresses are: 123 Main St, 456 Main St, and 789 Main St.

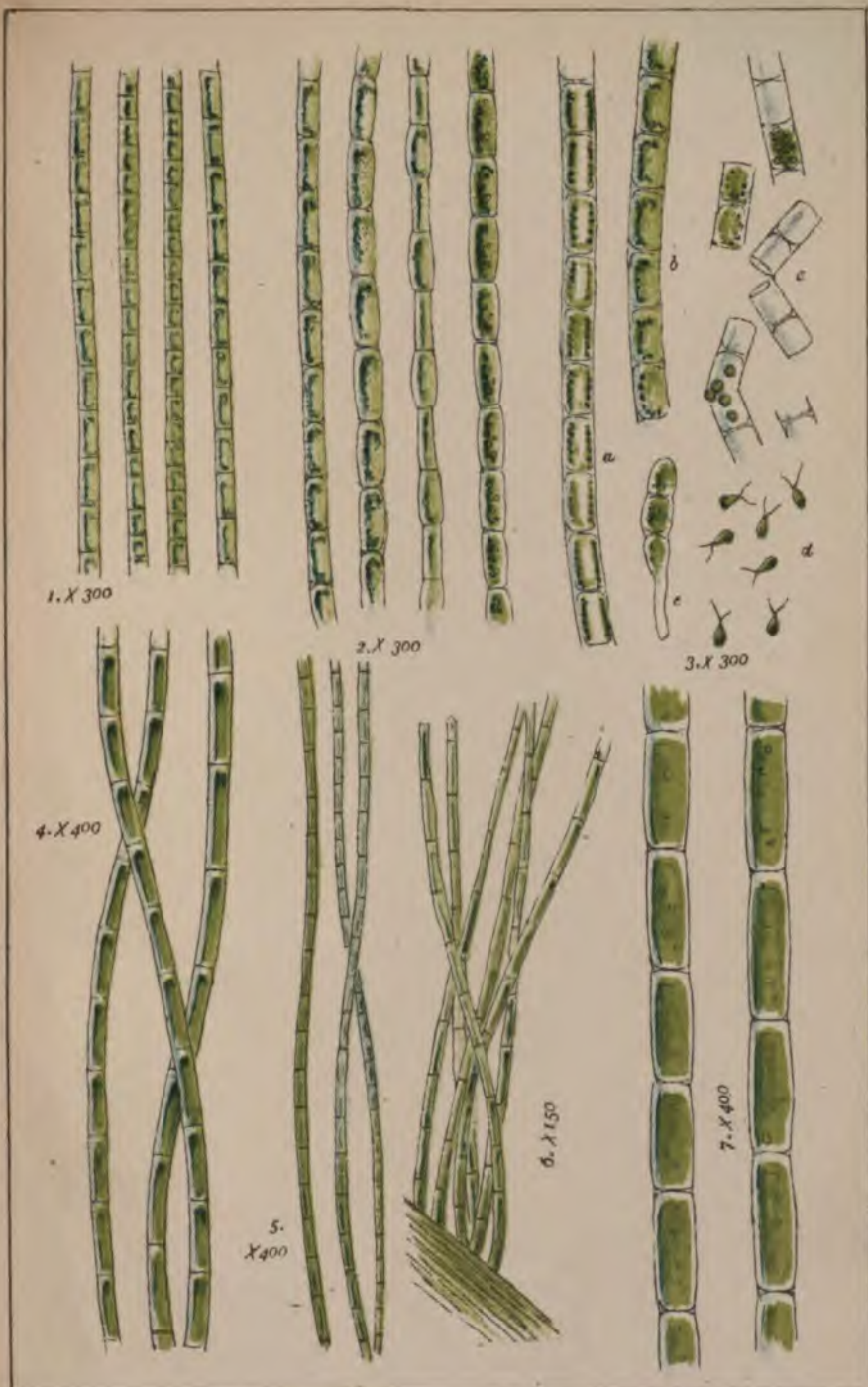
2. The second part of the document is a list of names and addresses. The names are: John Doe, Jane Doe, and John Doe. The addresses are: 123 Main St, 456 Main St, and 789 Main St.

3. The third part of the document is a list of names and addresses. The names are: John Doe, Jane Doe, and John Doe. The addresses are: 123 Main St, 456 Main St, and 789 Main St.

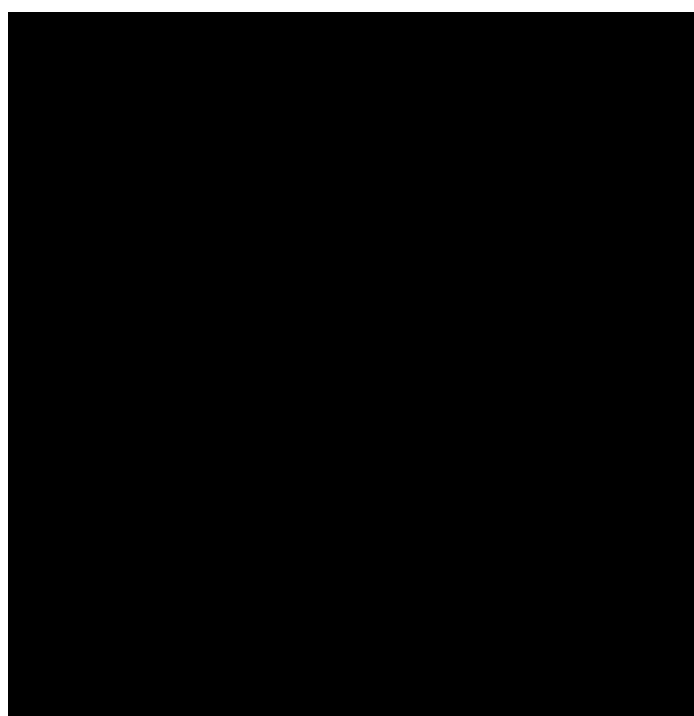
4. The fourth part of the document is a list of names and addresses. The names are: John Doe, Jane Doe, and John Doe. The addresses are: 123 Main St, 456 Main St, and 789 Main St.

5. The fifth part of the document is a list of names and addresses. The names are: John Doe, Jane Doe, and John Doe. The addresses are: 123 Main St, 456 Main St, and 789 Main St.

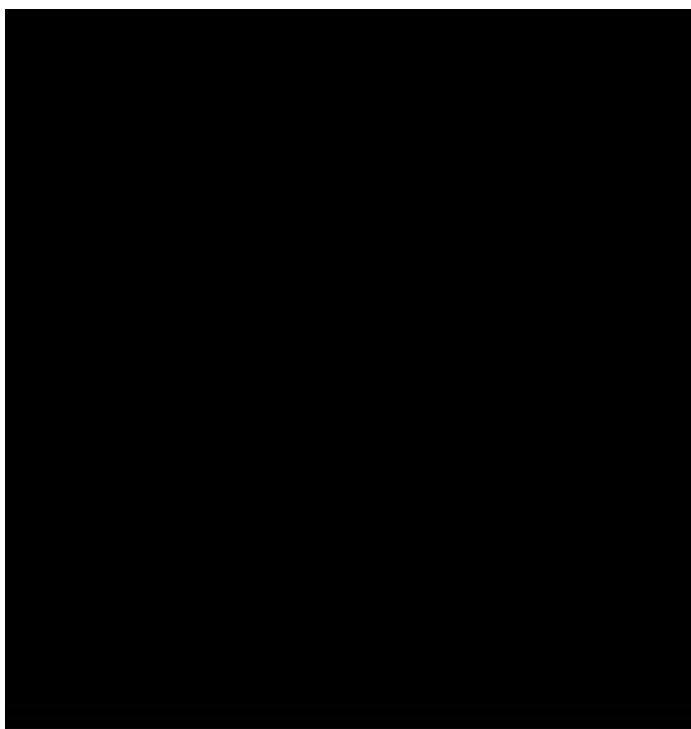


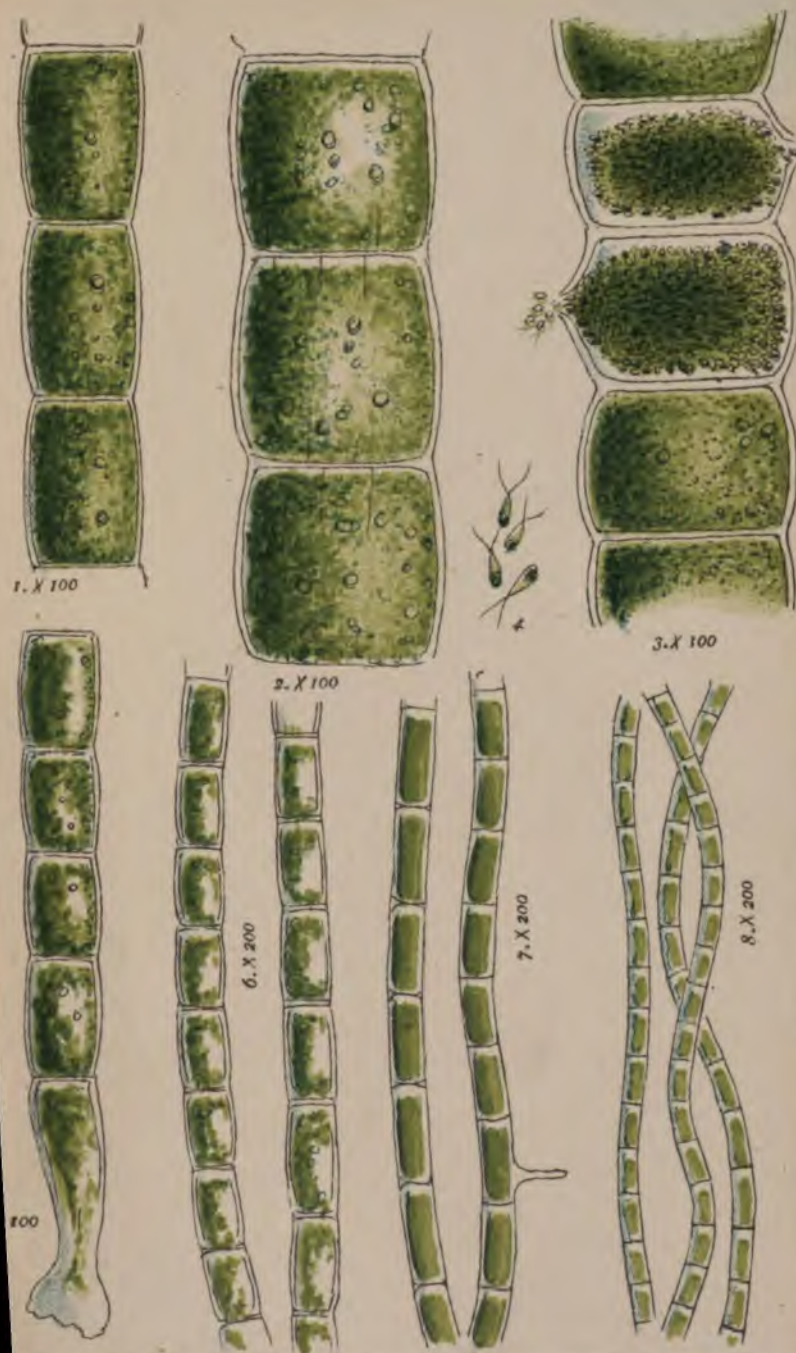


1. *Microspora fugacissima* Thur. 2. *Microspora vulgaris* Rabh.
 3. *Microspora floccosa* Thur. 4. *Conferva bombycina* Ag.
 5. *Conferva tenerrima* Kutz. 6.-7. *Conferva fontinalis* Berk.



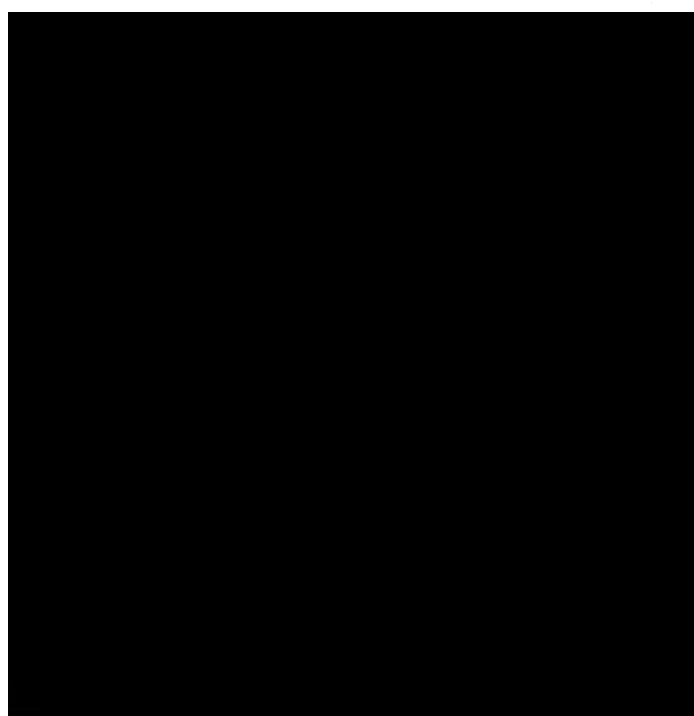






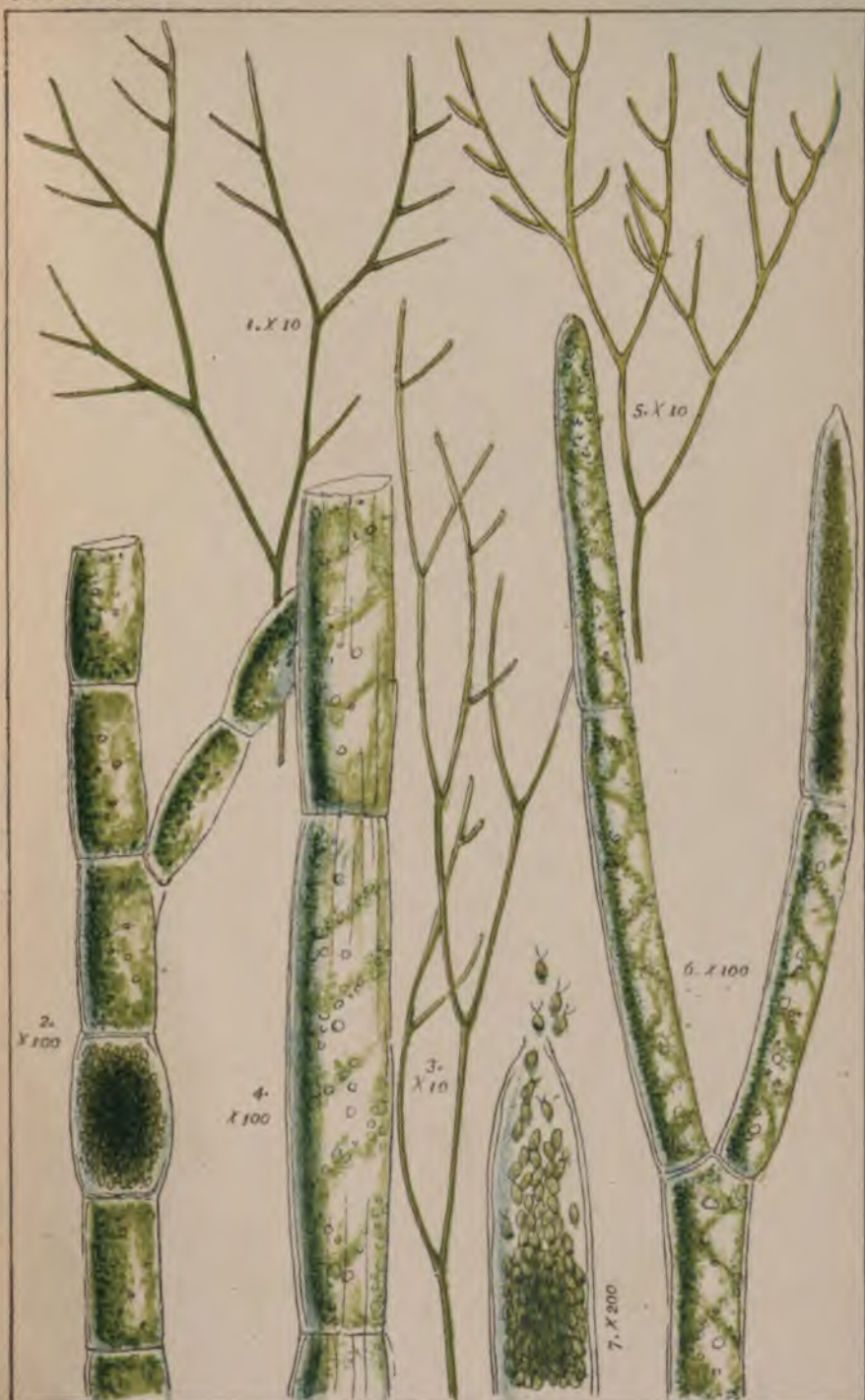
Chaetomorpha litorea. Harv.
Chaetomorpha sutoria. Berk.
Rhizoclonium Casparyi. Harv.

2.-4. *Chaetomorpha linum*. K.
 6. *Chaetomorpha impleza*. Pillw.
 8. *Rhizoclonium flavicans*. Juss.









1.-2. *Cladophora fracta* K. 3.-4. *Cladophora crispata* K.
5. 7. *Cladophora flavescens* Ag





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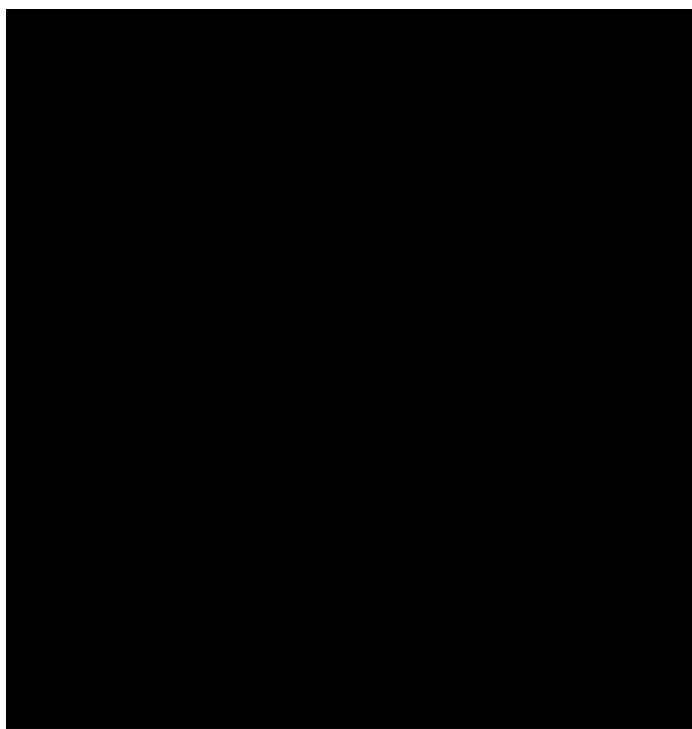


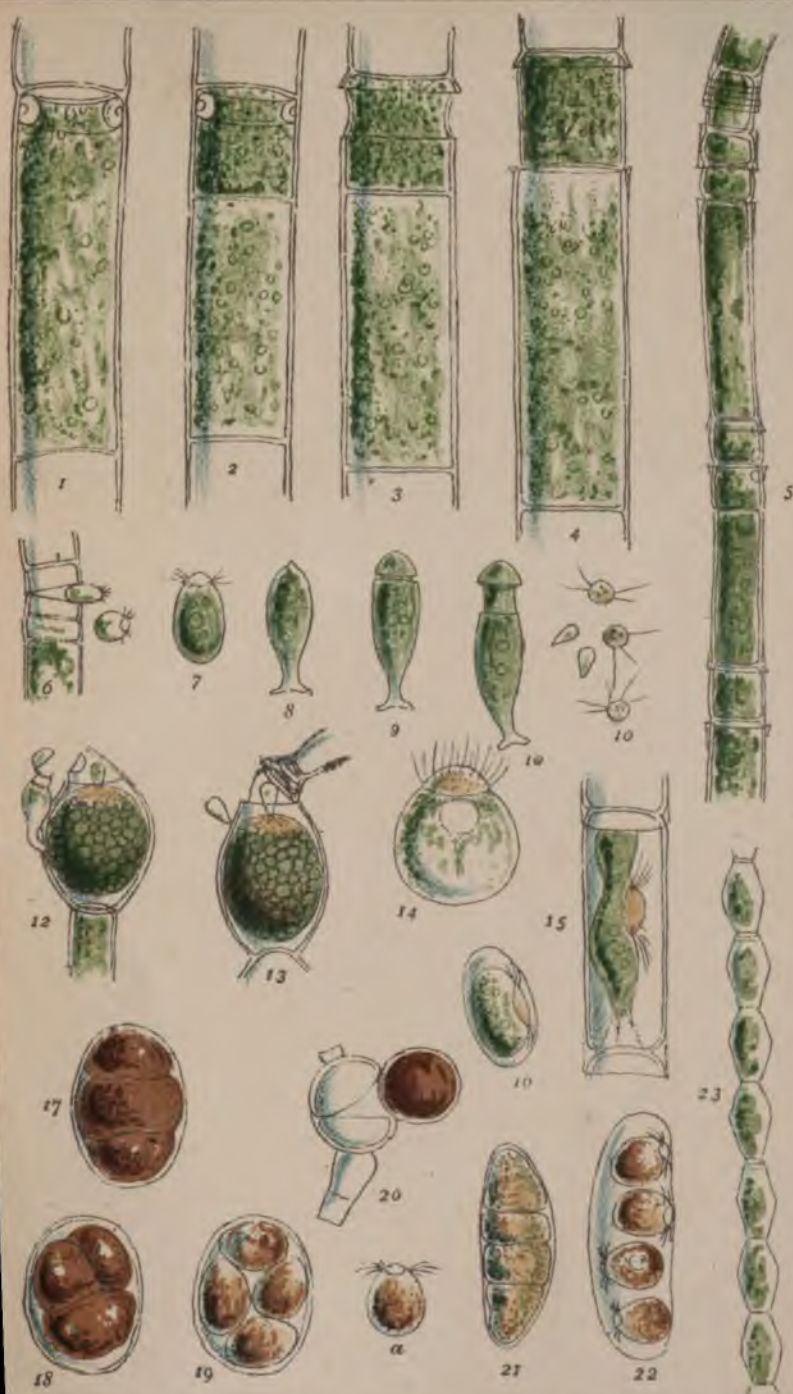
1-4. *Cladophora glomerata*. L.5. *Cladophora canalicularis*. Kütz.6-7. *Cladophora aegagropila*. L.8.-11. *Pithophora kewensis*. Wütr.





1944-1945



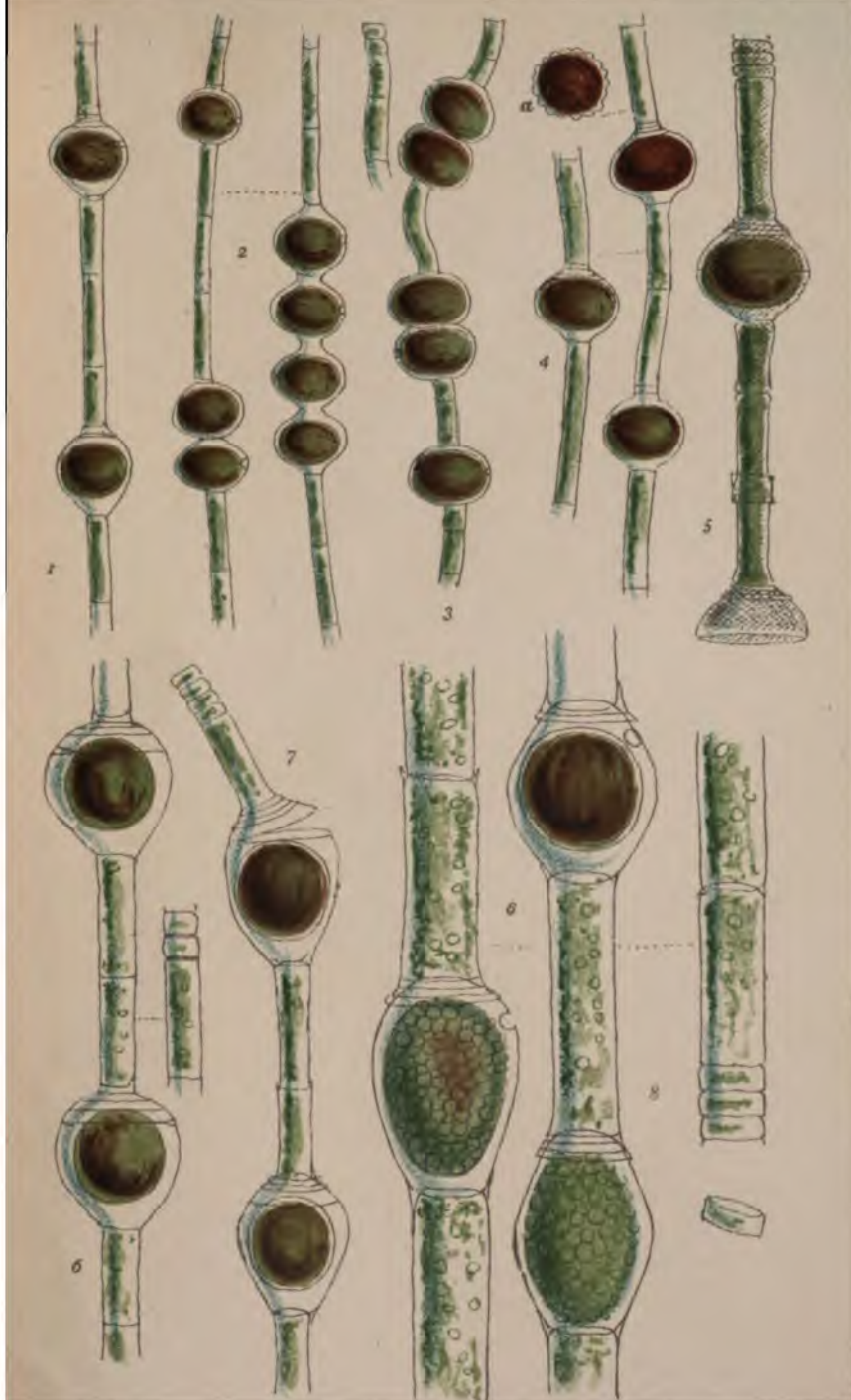


Edogonium, and Gylbochata. X 400.

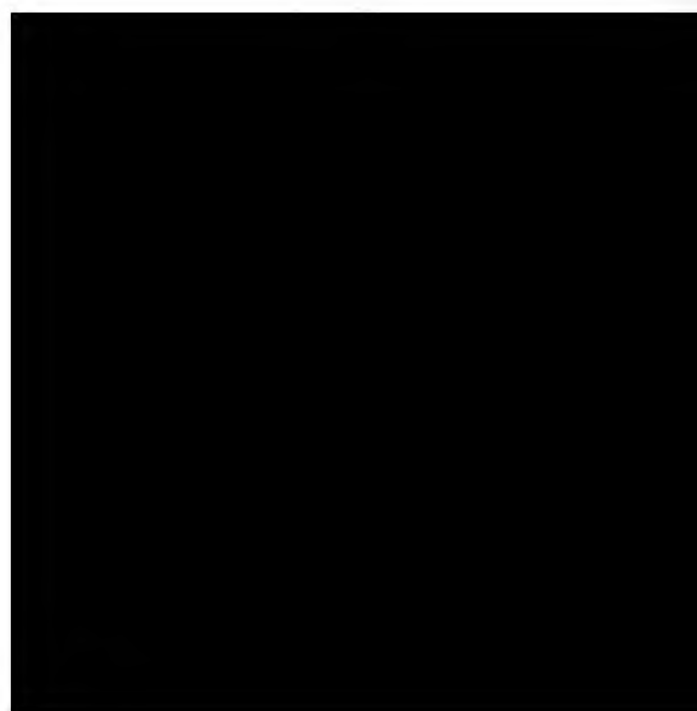








1. *Edogonium Petri*. W. 2. *Edog. cryptosporum*. W. 3. *Edog. curvum*. Pr
 4. *Edog. cymatosporum*. W. 5. *Edog. minus* W. 6. *Edog. vernale*. Hass
 7. *Edog. crispum*. Hass. 8. *Edog. Vaucherii*. Br.



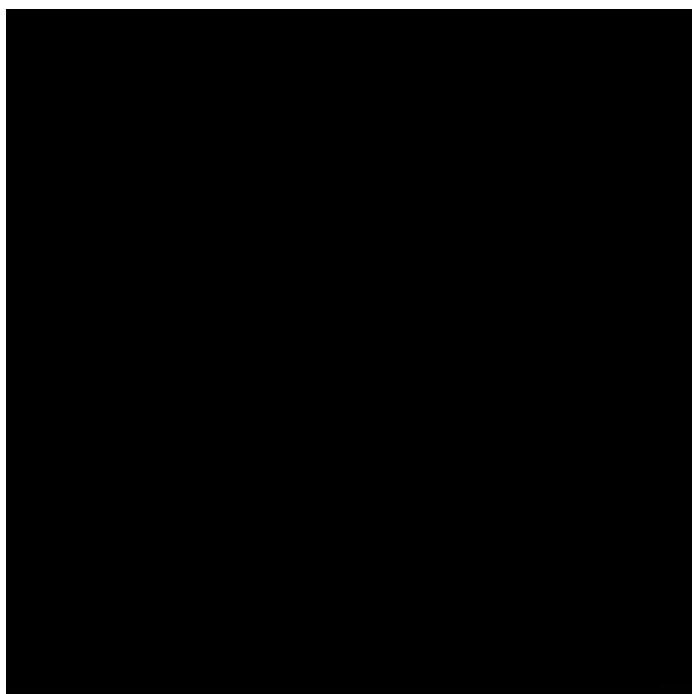


100



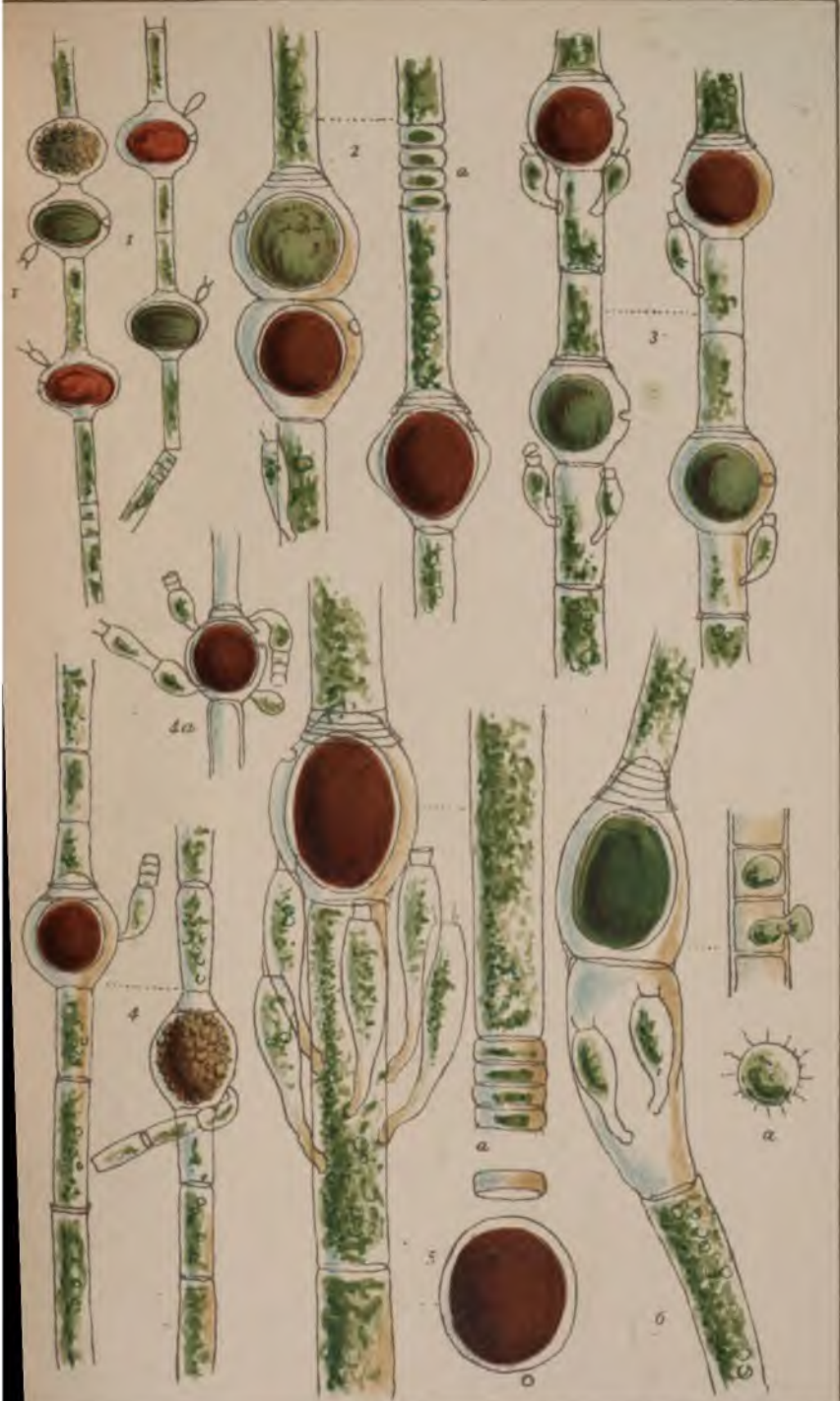


1. *Edog. urbicum* W. 2. *Edog. paludosum* Hass. 3. *Edog. Itzigsohni*. DB.
 4. *Edog. excisum* W. 5. *Edog. platygynum* W. 6. *Edog. Rothii*. Fr.
Edog. Areschougii W. 7. *Edog. pluviale* Nord. 9. *Edog. undulatum* Br.







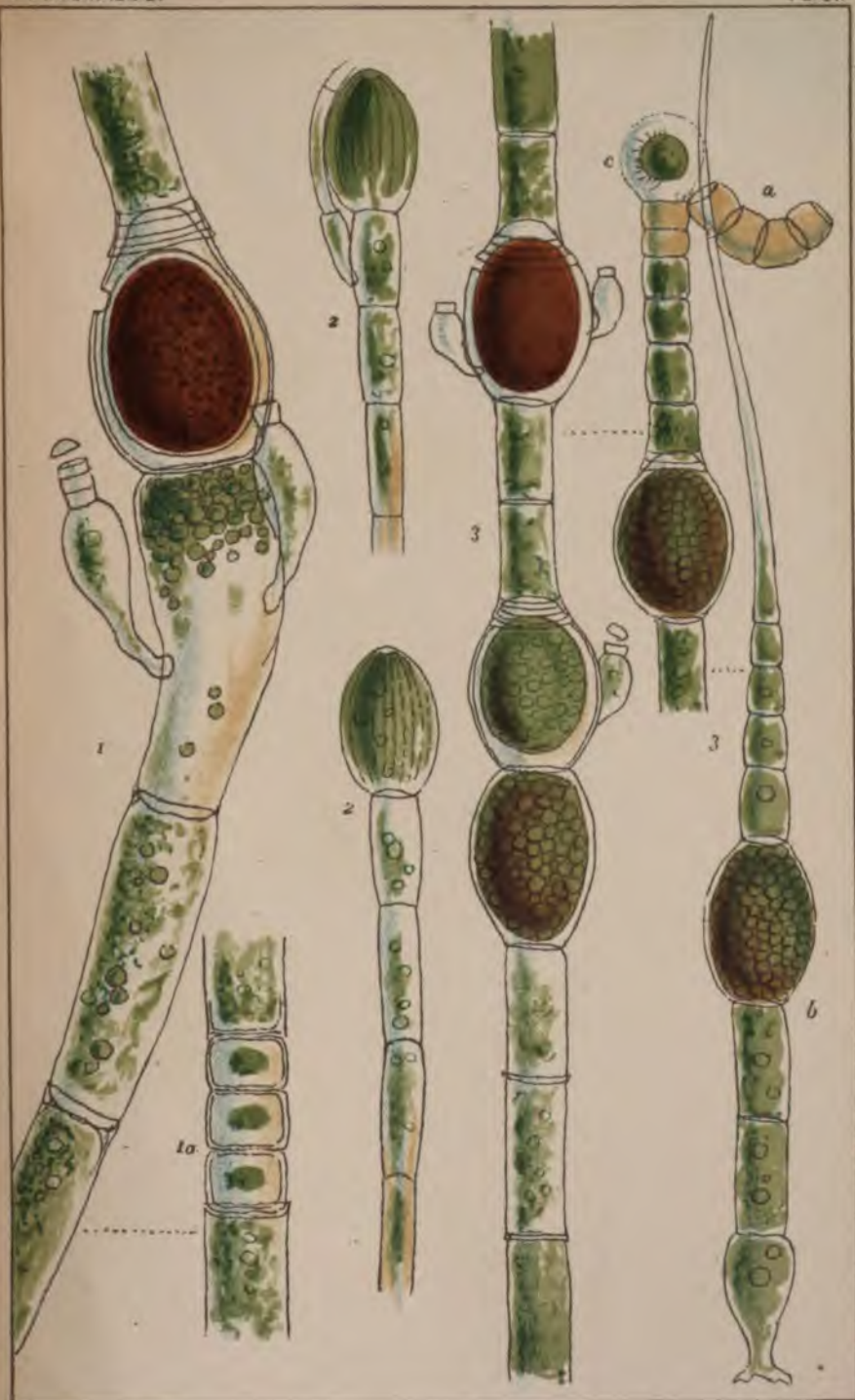


Edog. depressum. Fr. 2. *Edog. flavescens*. Hass. 3. *Edog. Braunii*. Kul. 4. *Edog. macrandum*. W. 5. *Edog. crassiusculum*. W. 6. *Edog. Boridiani*.

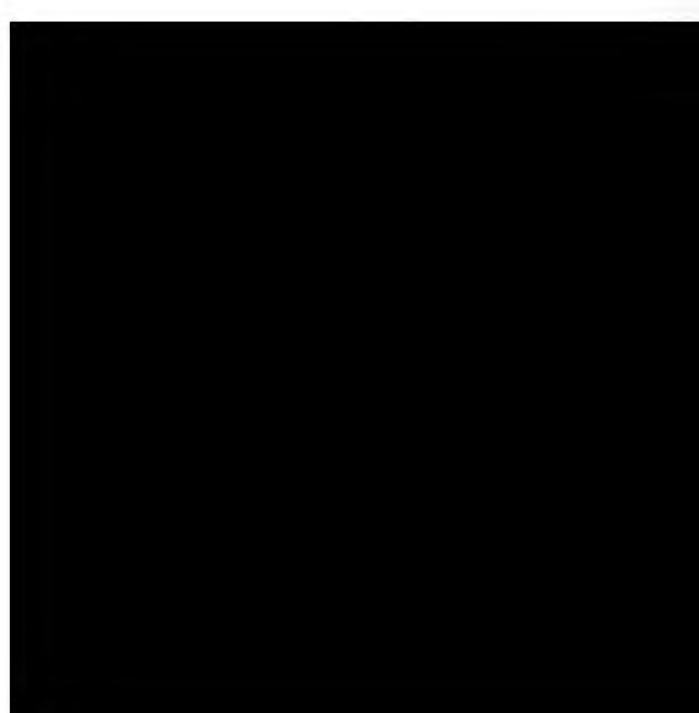








1. *Cedog. concatenatum*. Hass. 2. *Cedog. acrosporum*. D. Hy. 3. *Cedog. ciliatum*. Pr.









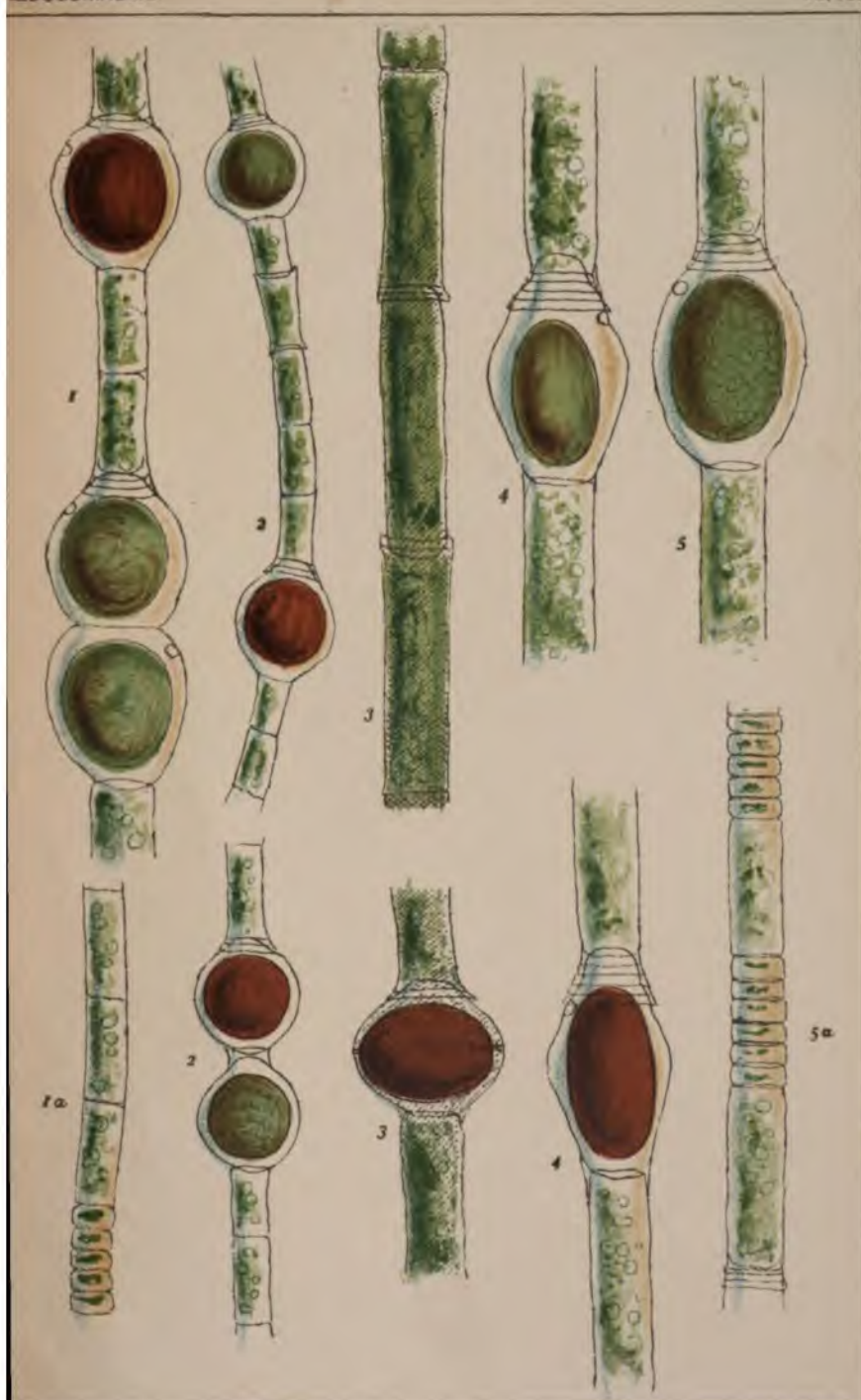
Edog. Cleveanum W. 2 Edog. echinospermum Br. 3. Edog. capillare (L)
4. Edog. calcareum W. 5 Edog. cardiacum. Hass.





1-2-12





1. *Cedog. carbonicum*, W. 2. *Cedog. Pringsheimii*, W. 3. *Cedog. punctato-striatum*, DBy. 4. *Cedog. Boscii*, W. 5. *Cedog. tumidulum*, Kurz.

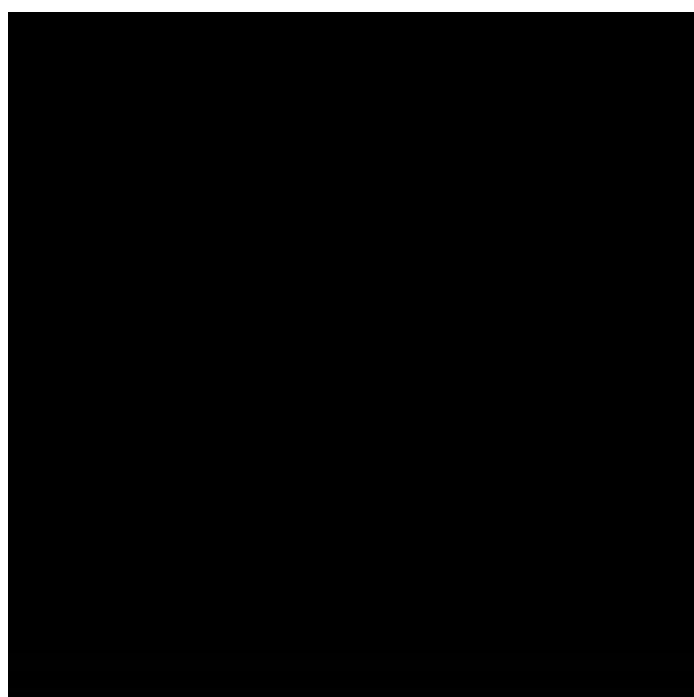






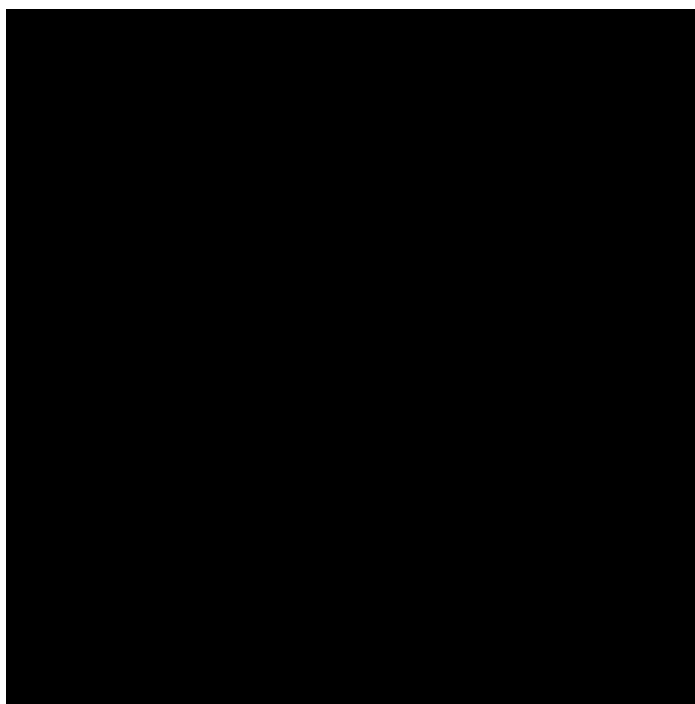


1. *Edog. Landsboroughii*. Hass. 2. variety *gemelliparum*. Pr.
 3. *Edog. rivulare*. Gr. 4. *Edog. longatum*. Kütz.



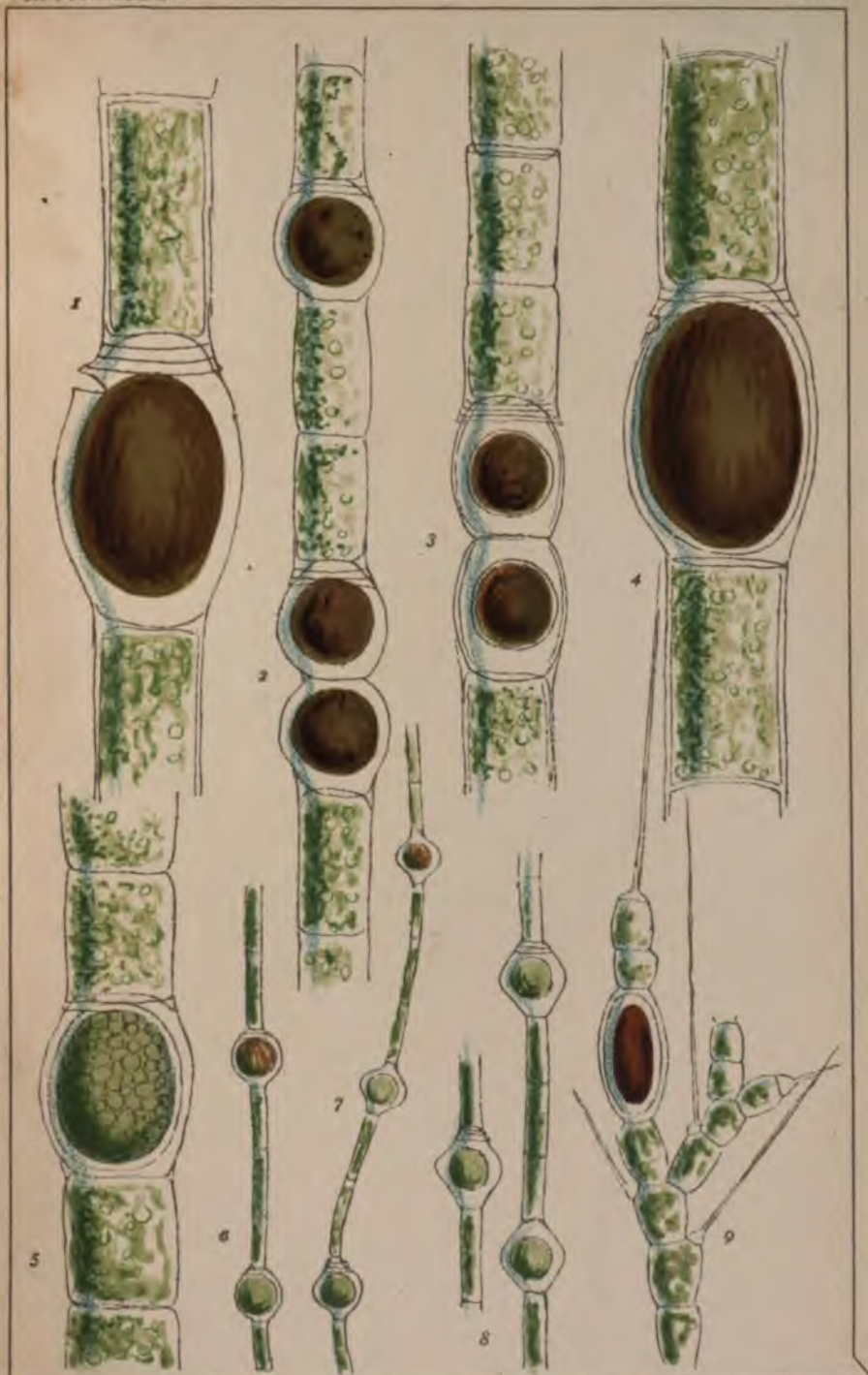








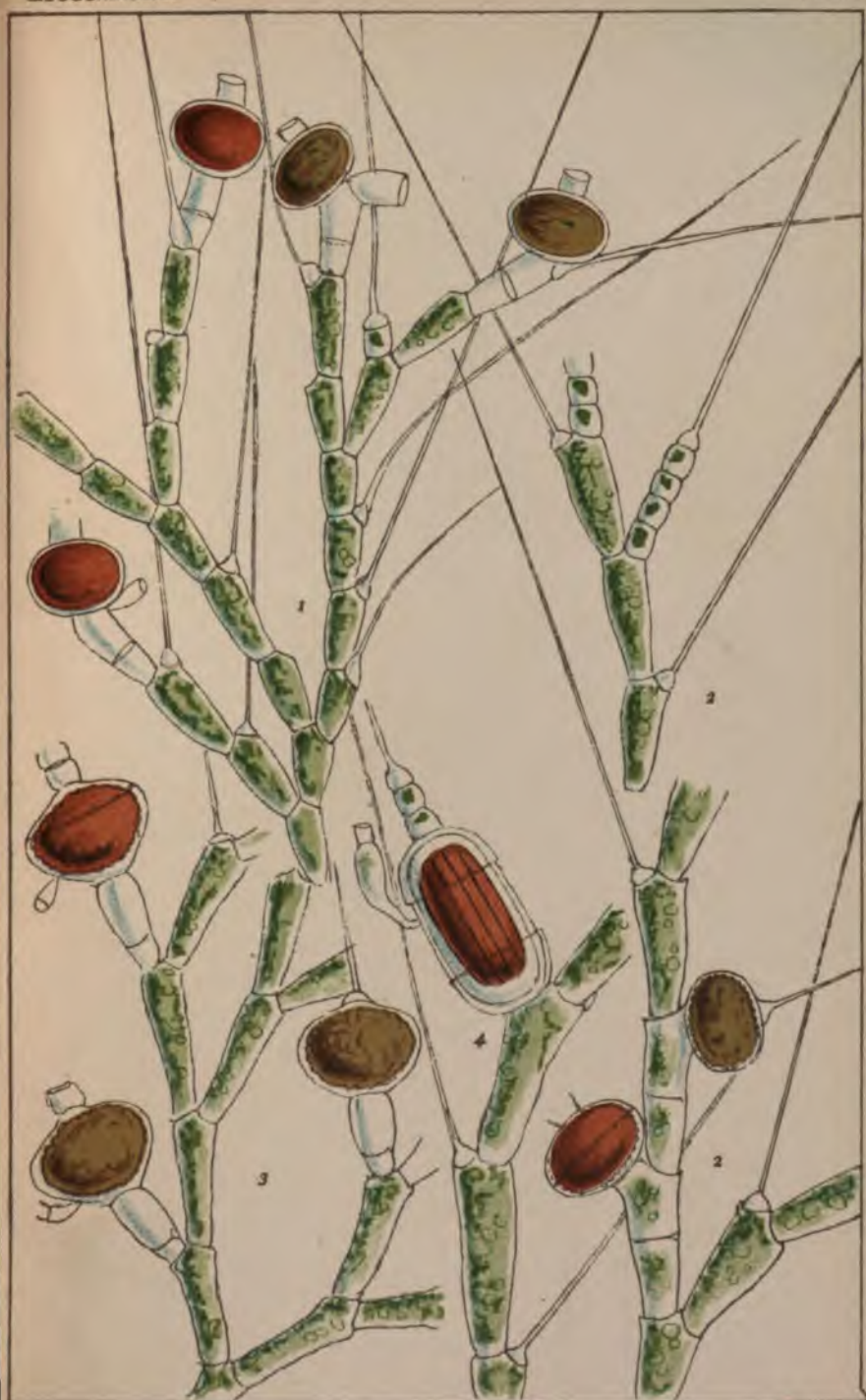




1. *Edog. crassum* Hass. 2. *Edog. fasciatum* K. 3. *Edog. capillaceum* K.
 4. *Edog. grande* K. 5. *Edog. subsetaceum* K. 6. *Edog. tenellum* K.
 7. *Edog. delicatulum* K. 8. *Edog. hexagonum* K. 9. *Bulbochete gracilis* P.



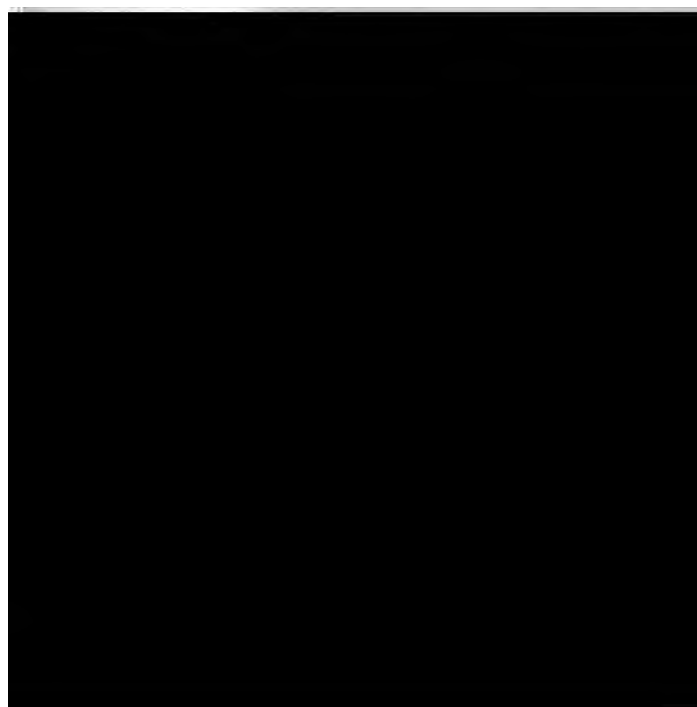


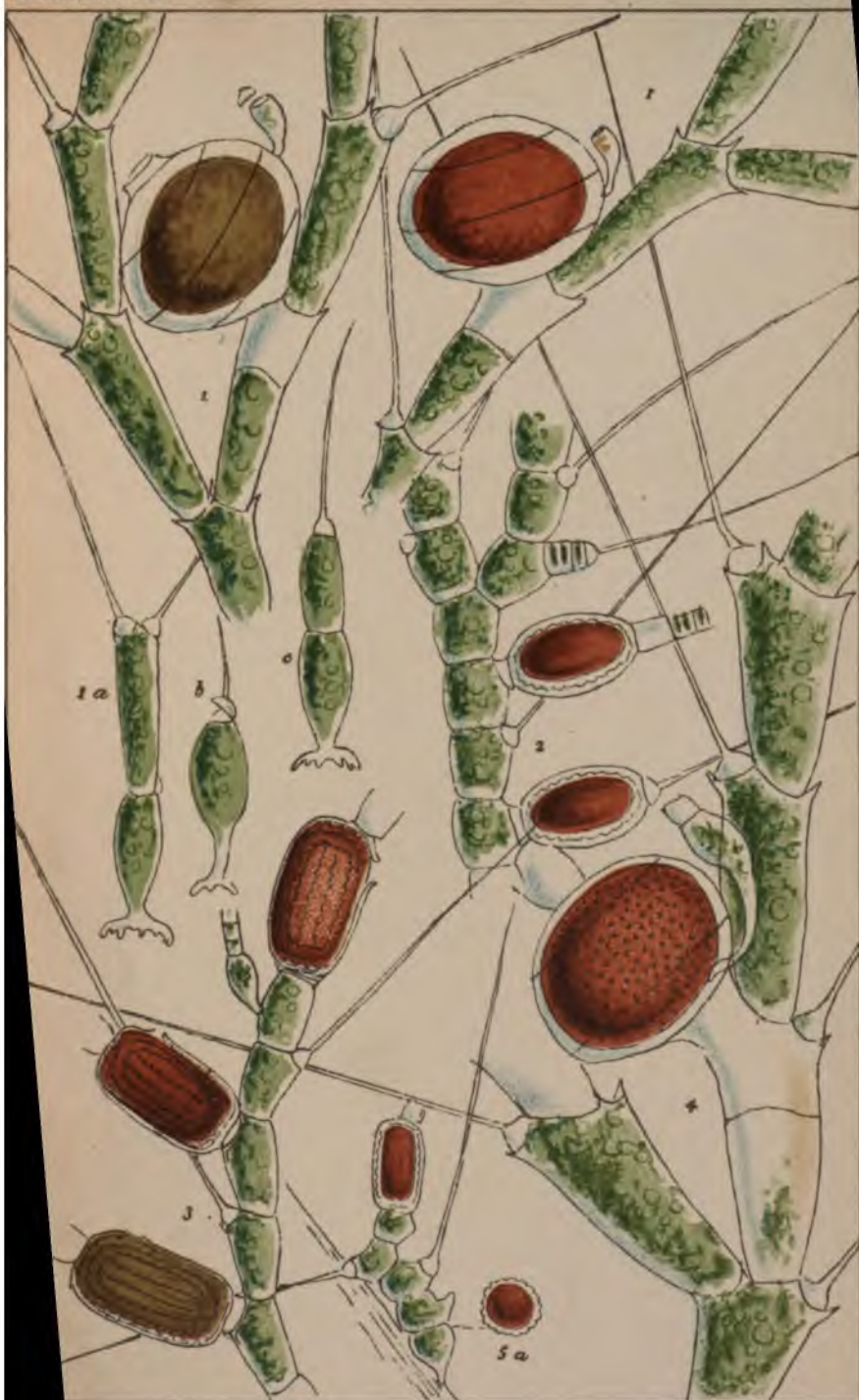


1. *Bulbochæte intermedia*. Q. By. 2. *Bulbochæte polyandra*. Cleve. 3. *Bulbochæte Grebissonii*. Kütz. 4. *Bulbochæte insignis*. Pr.



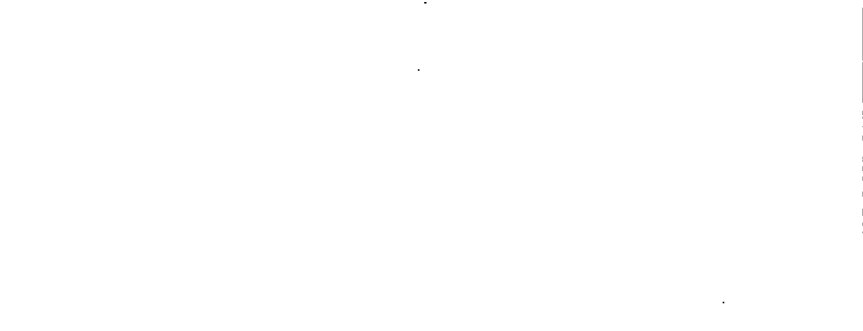
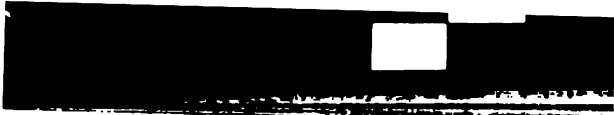






Bulbochaste setigera Ag. 2. *Bulbochaste mirabilis* W. 3. *Bulbochaste rectangularis*.
4. *Bulbochaste gigantea* Pr. 5. *Bulbochaste pygmaea* Pr.







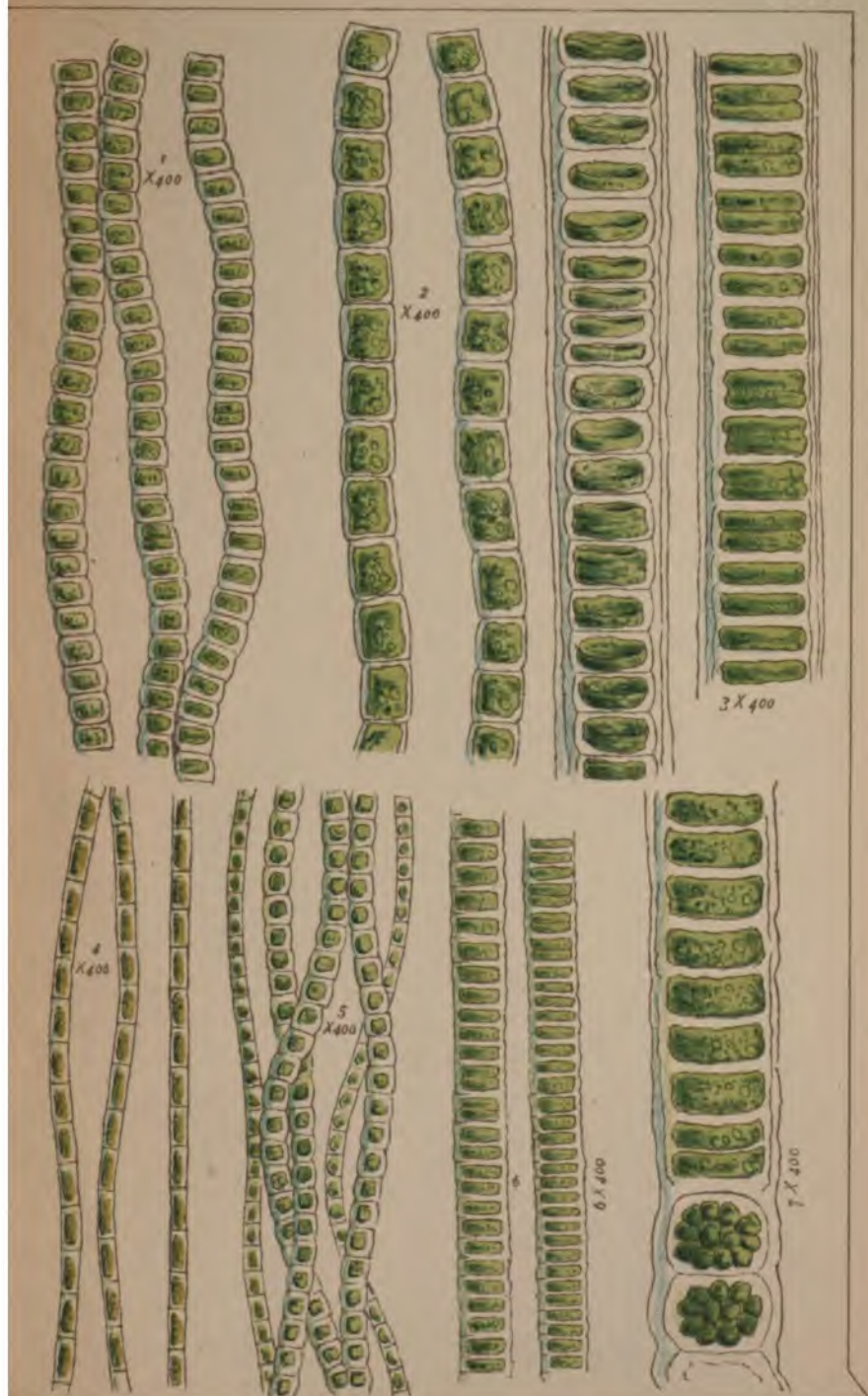


Hormiscia zonata (W. & M.) X 400.







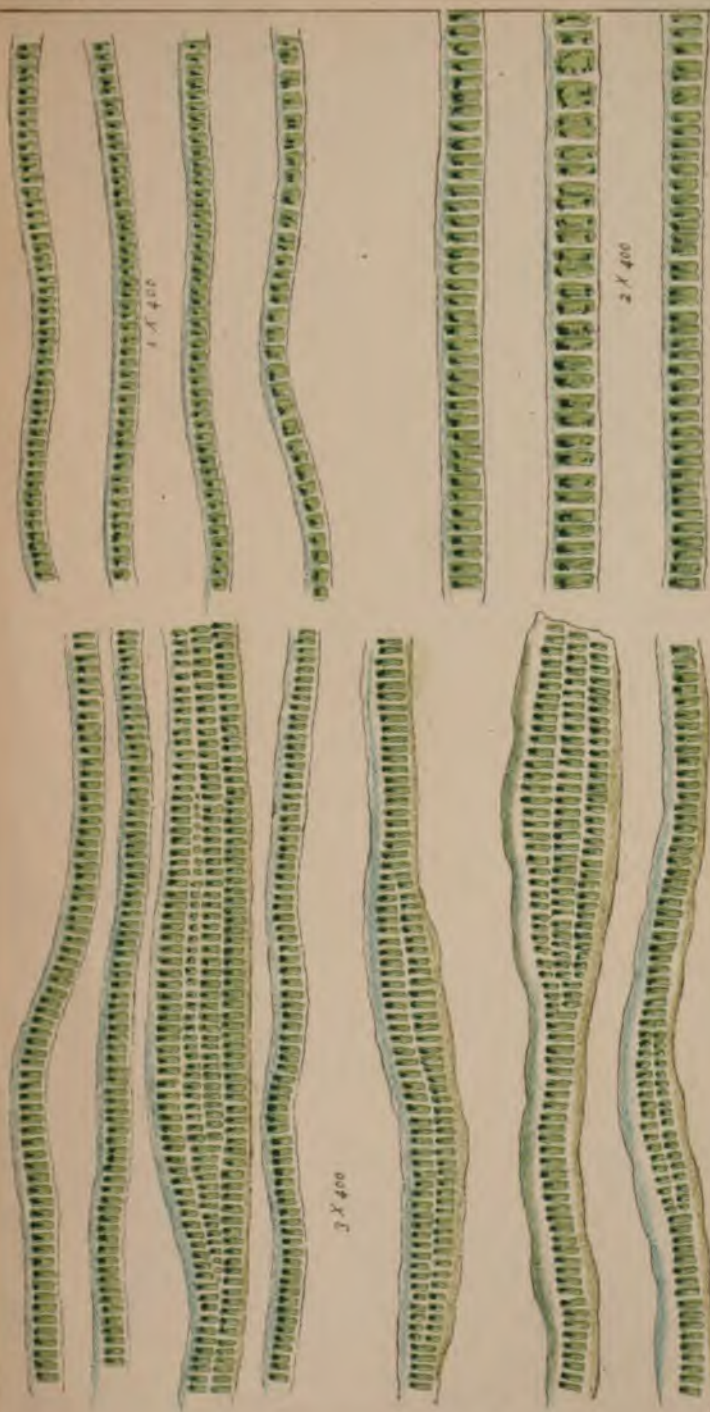


1. *Hormiscia moniliformis*, Kutz. 2. *Hormiscia cateniformis*, Kutz.
3. *Hormiscia speciosa* (Carm.) 4. *Ulothrix variabilis*, Kutz.







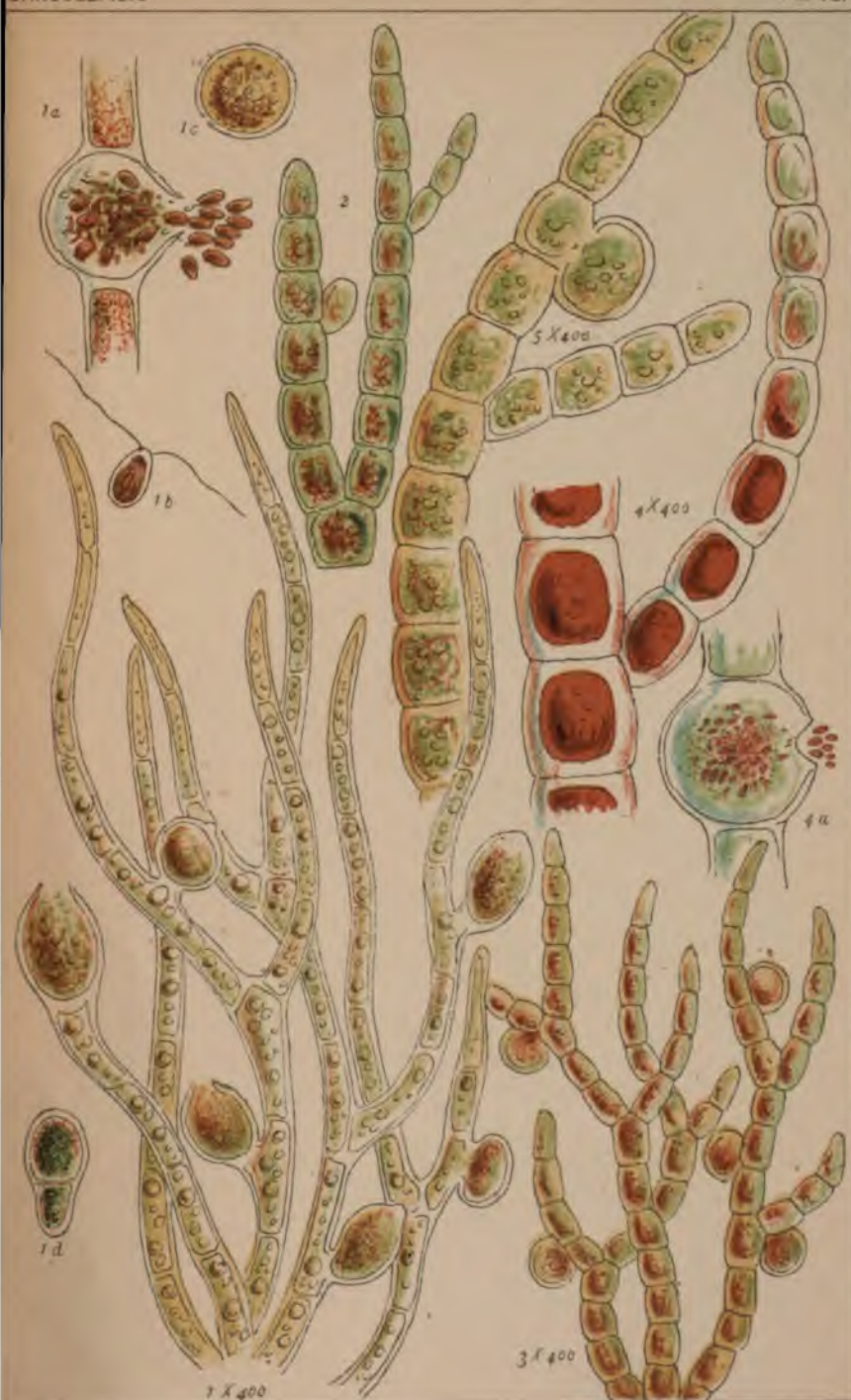


1. *Ulothrix radicans*, Kutz. 2. *Ulothrix parietina*, Kutz.
3. *Schizogonium murale*, Kutz.







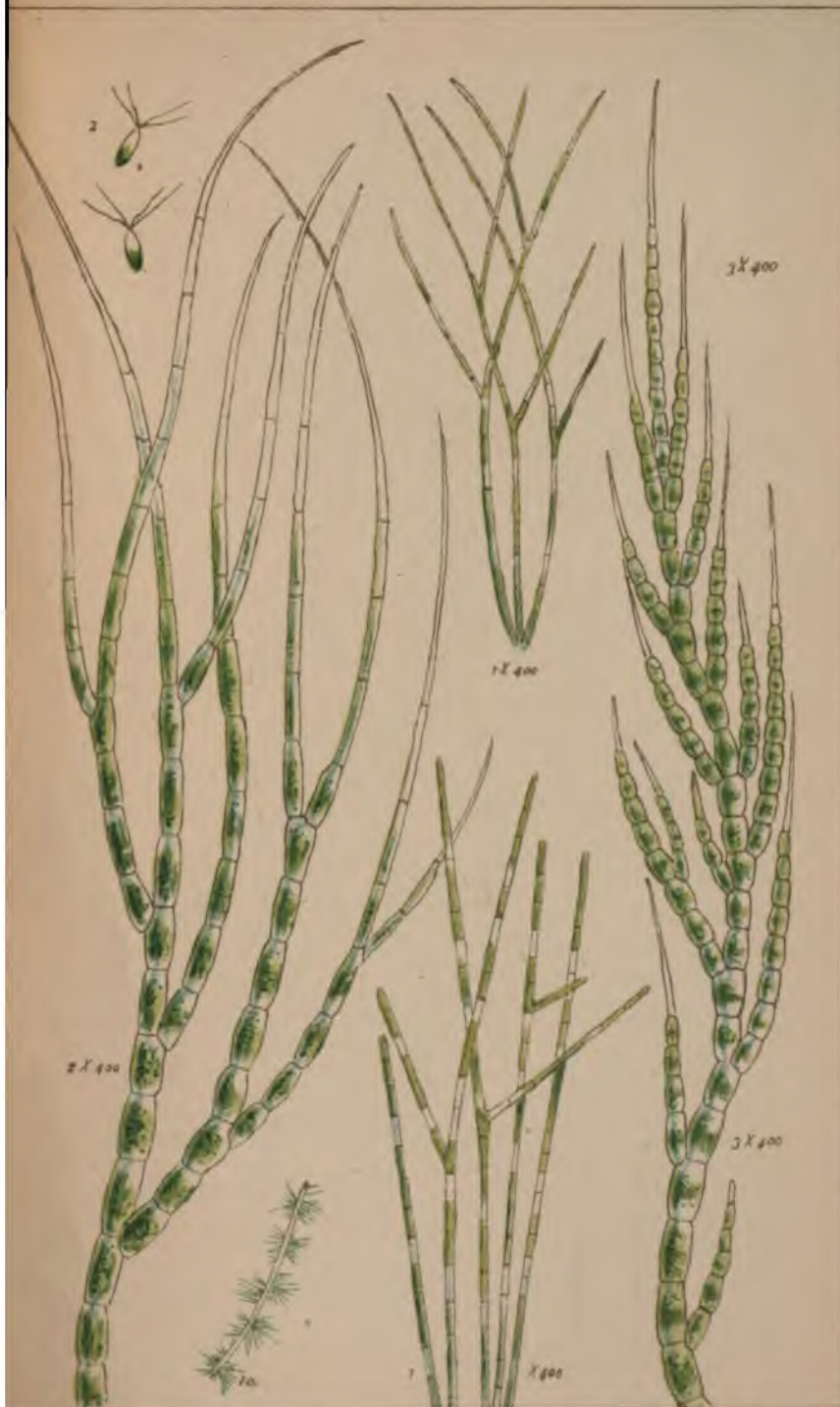


1. *Chroolepus aureum*. Linn. 2. *Chroolepus odoratum*. Ag. 3. *Chroolepus abietinum* var. *lichenicolum*. 4. *Chroolepus isolithus*. Linn. 5. *Chroolepus iliricolum*. H.









1. *Microthamnion vexator*, Cooke. 2 *Stigeoclonium thermale*, Br.
3 *Stigeoclonium tenue*, Ag.

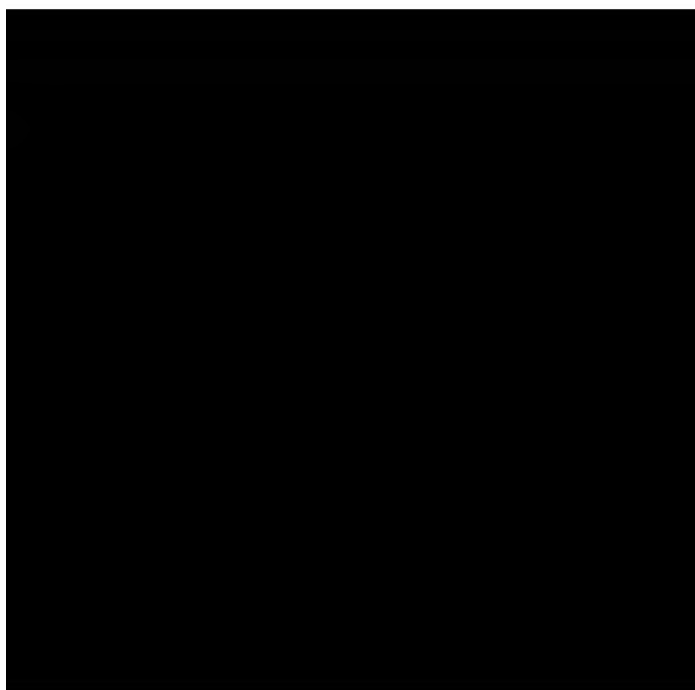








1. *Stigeoclonium protensum*. Kutz. 2. *Stigeoclonium nanum* Kutz.
3. *Stigeoclonium fastigiatum*. Kutz.









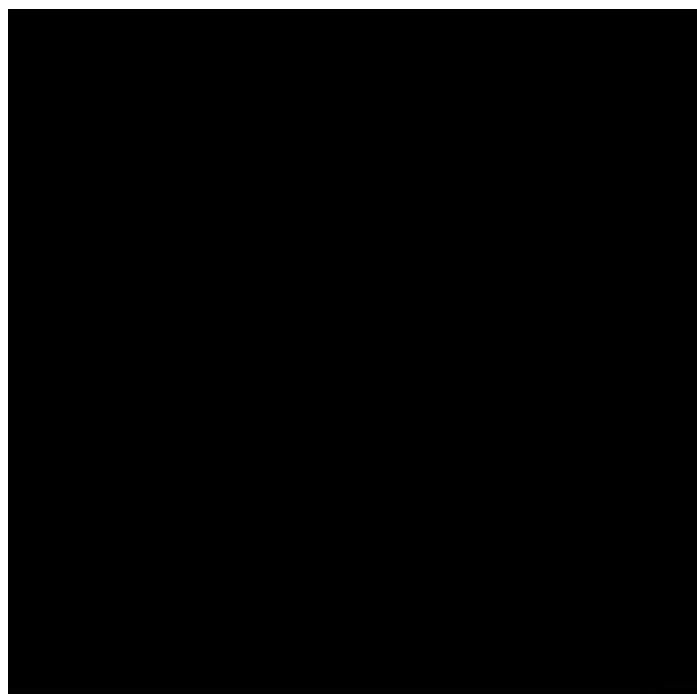
1. *Draparnaldia glomerata* Ag. 2 variety *distans*, Kutz.

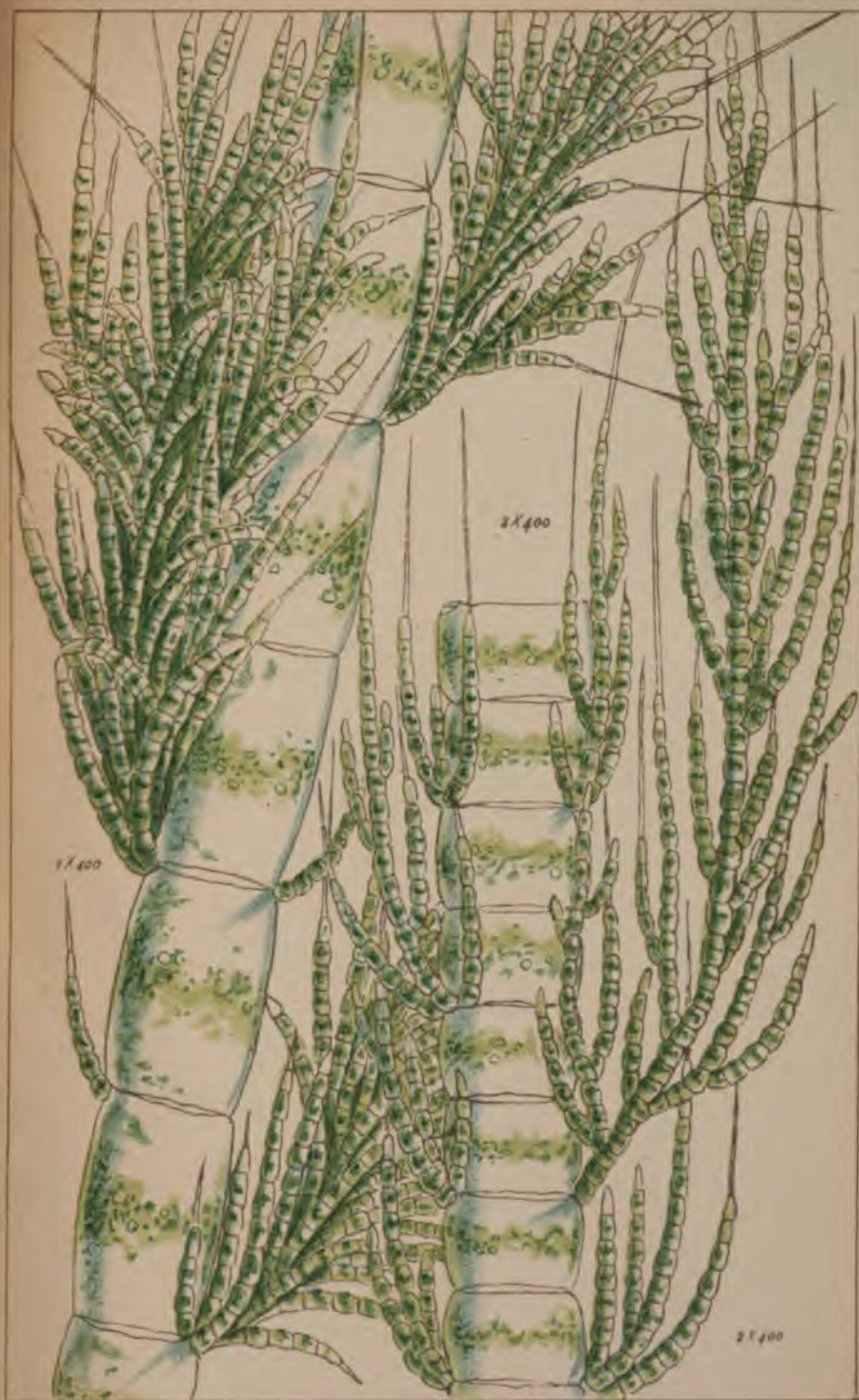






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1. *Draparnakia plumosa*, Ag. 2 variety *pulchella*, Kutz.

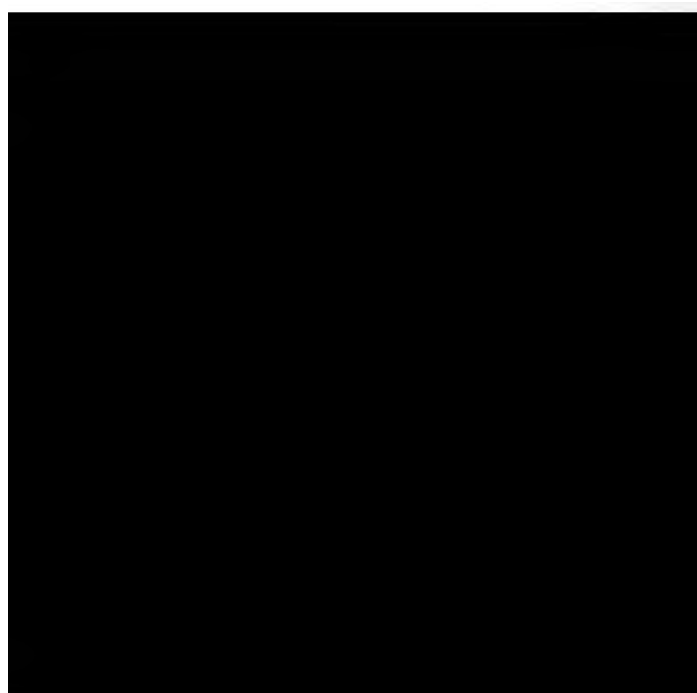








1. *Chaetophora pisiformis*, Ag. 2 *Chaetophora elegans*, Ag.





20





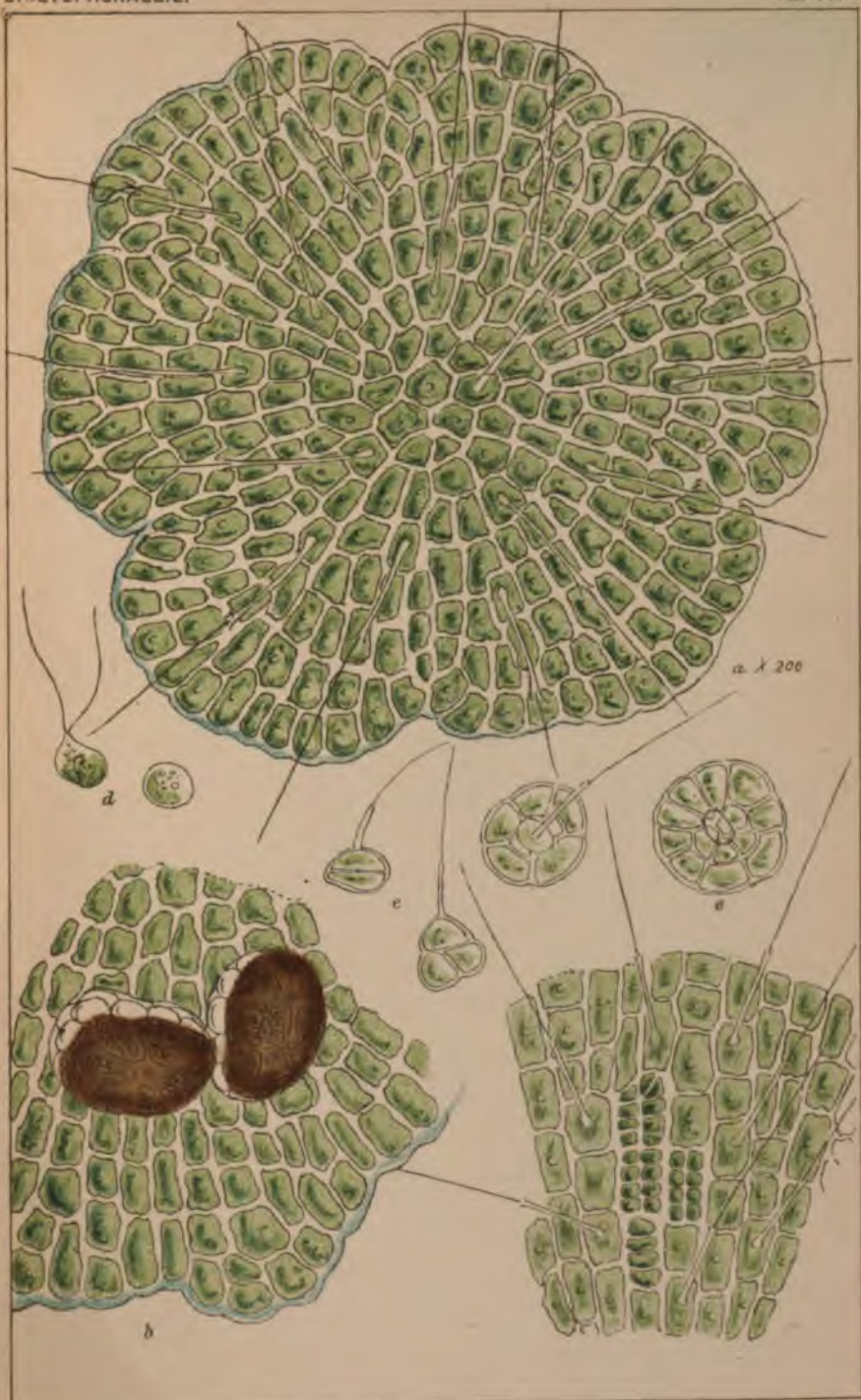
1. *Charophora tuberculosa* Ag. 2. *Charophora endicaefolia* Ag.





■



*Coleochaete scutata*. Breb.

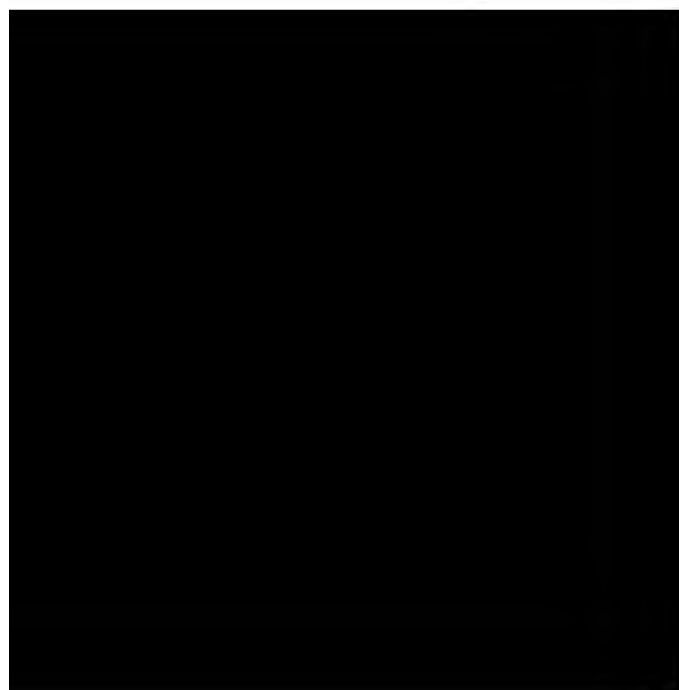






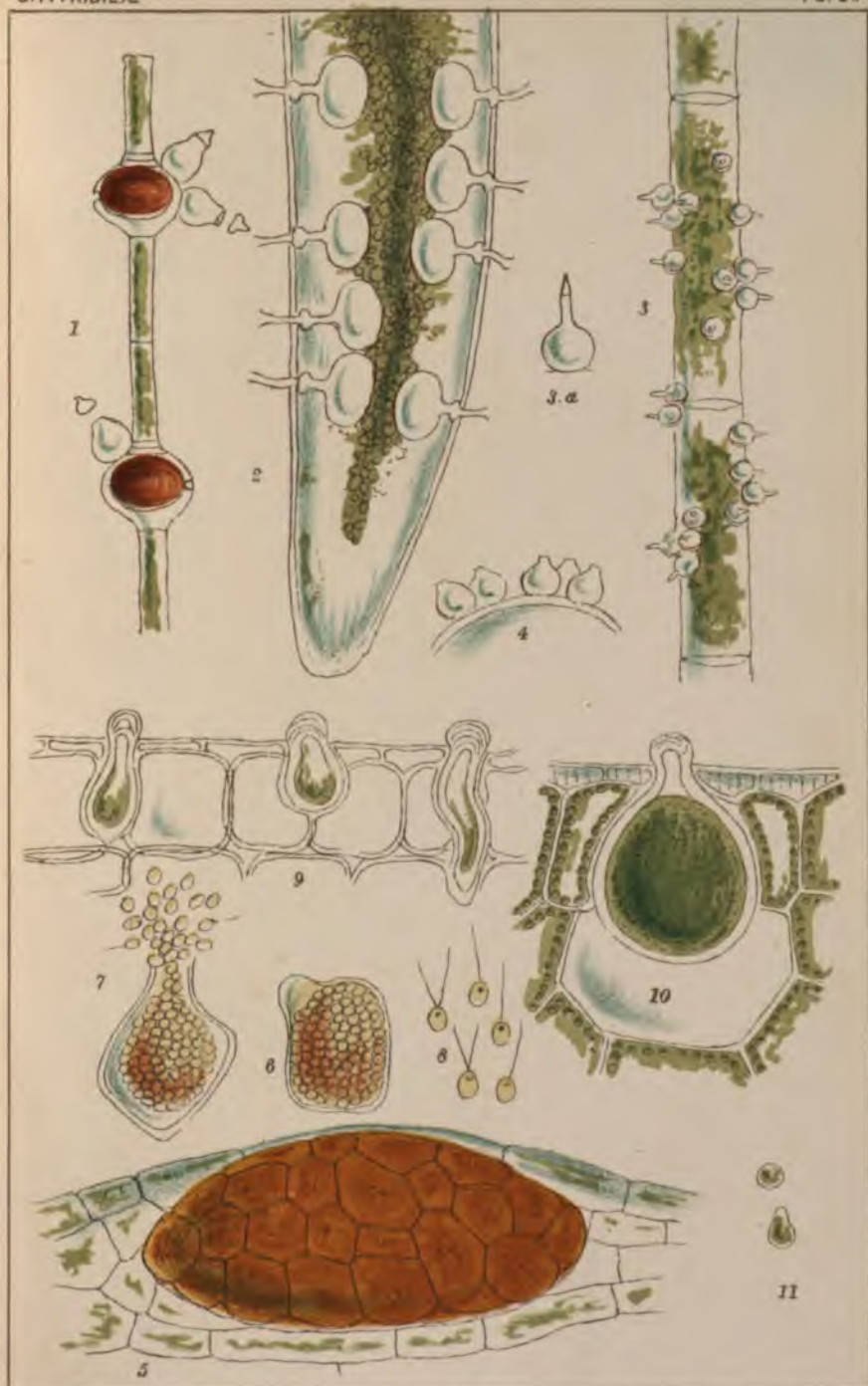


1. *Coleochate orbicularis*, Prings. 2. *Aphanochate hystrix*, Thw.
3. *Aphanochate repens*, Br.

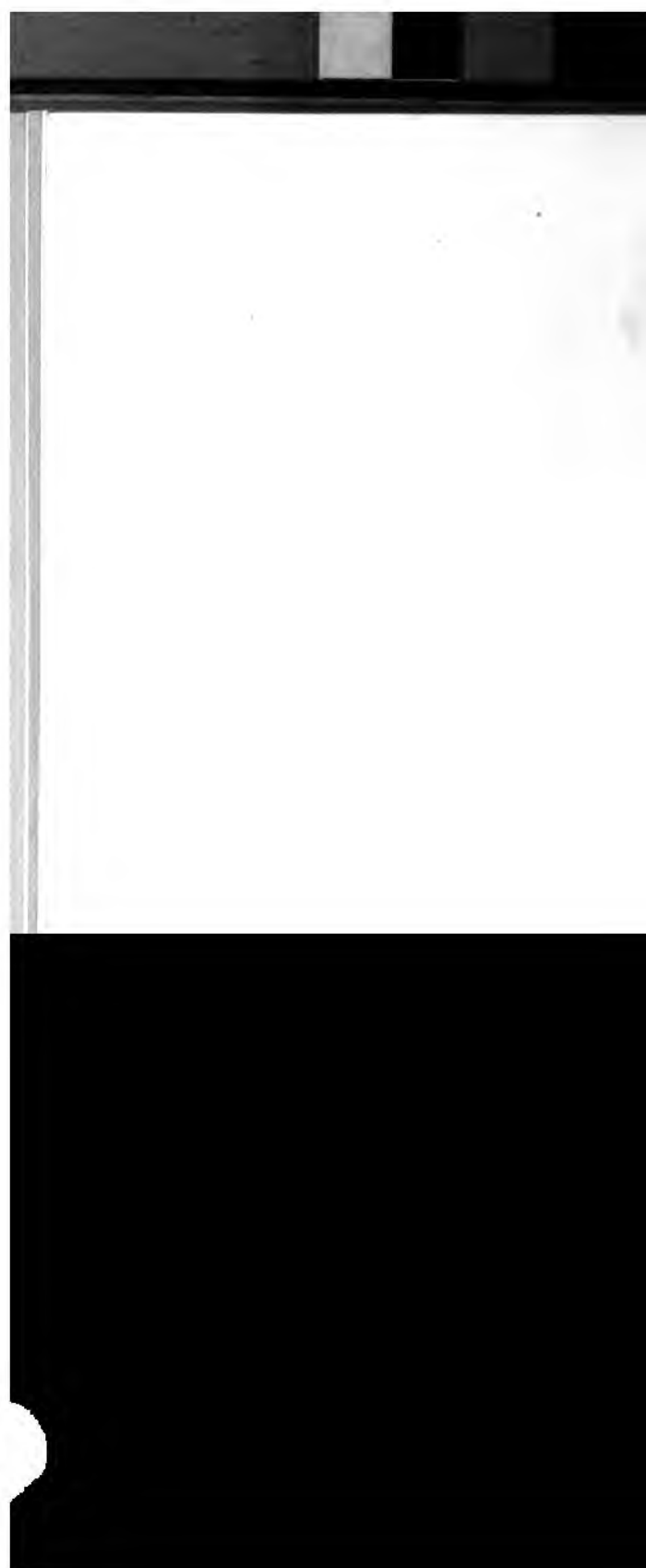








1. *Chytridium acuminatum*. 2. *Olpidium endogenum*. 3. *O. ampullaceum*. 4. allied species.
5-8. *Synchytrium Taraxaci*. 9-11. *Chlorochytrium Lemnae*.





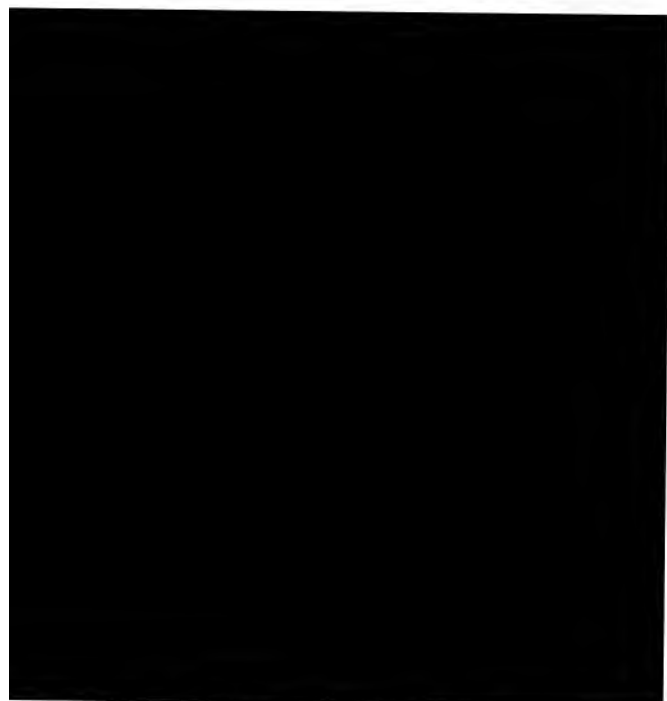




1-6. *Synchytrium Mercurialis*. Fekl. 7-9. *Synchytrium Anemones*. Wor.

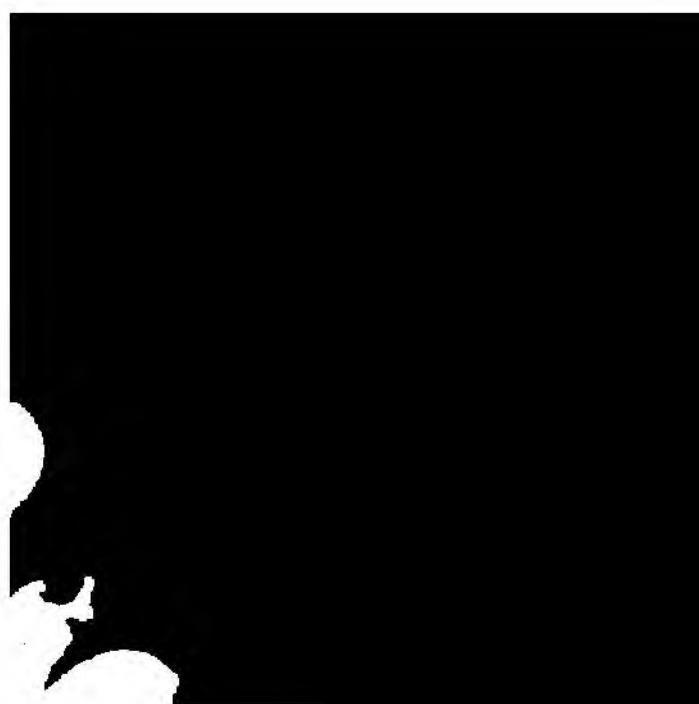






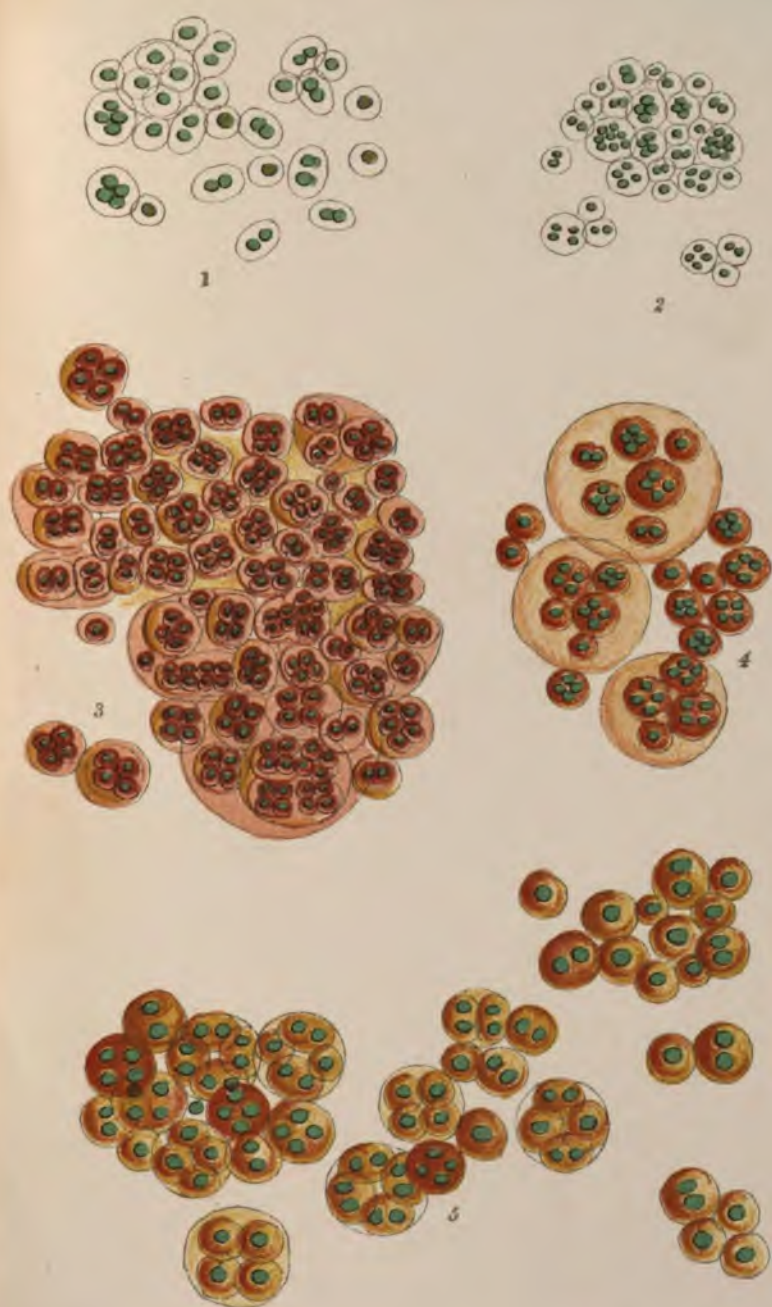


1. *Chroococcus coherens*, Nag. 2. *Chroococcus turgidus*, Nag. 3. *Glæocapsa coracina*, Kutz.
 4. *Glæocapsa atrata*, Rabh. 5. *Glæocapsa livida*, Kutz. 6. *Glæocapsa caldarii*, Rabh.
 7. *Glæocapsa polyderrica*, Kutz. 8. *Glæocapsa quaternata*, Bred.

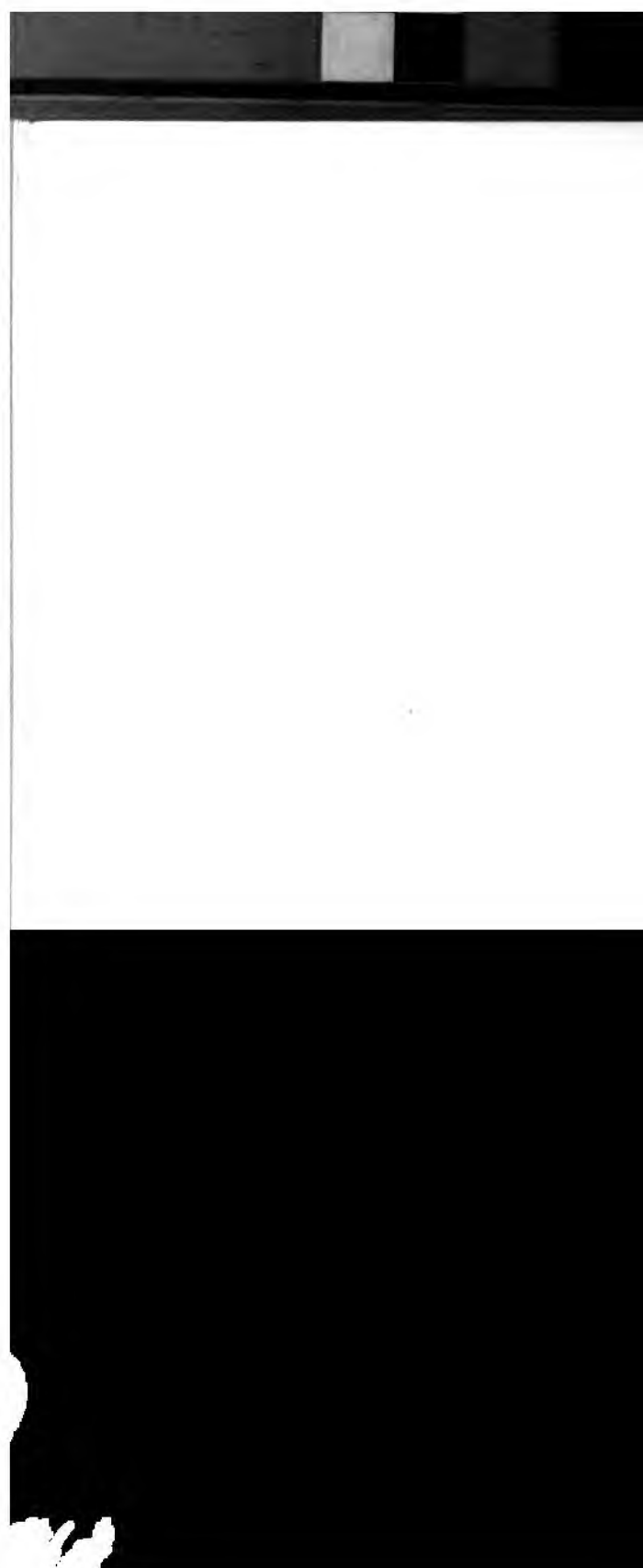




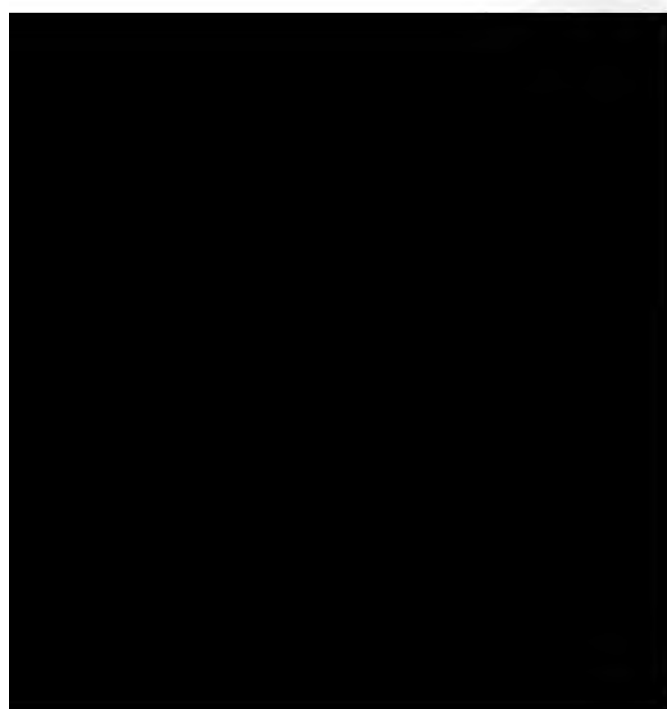


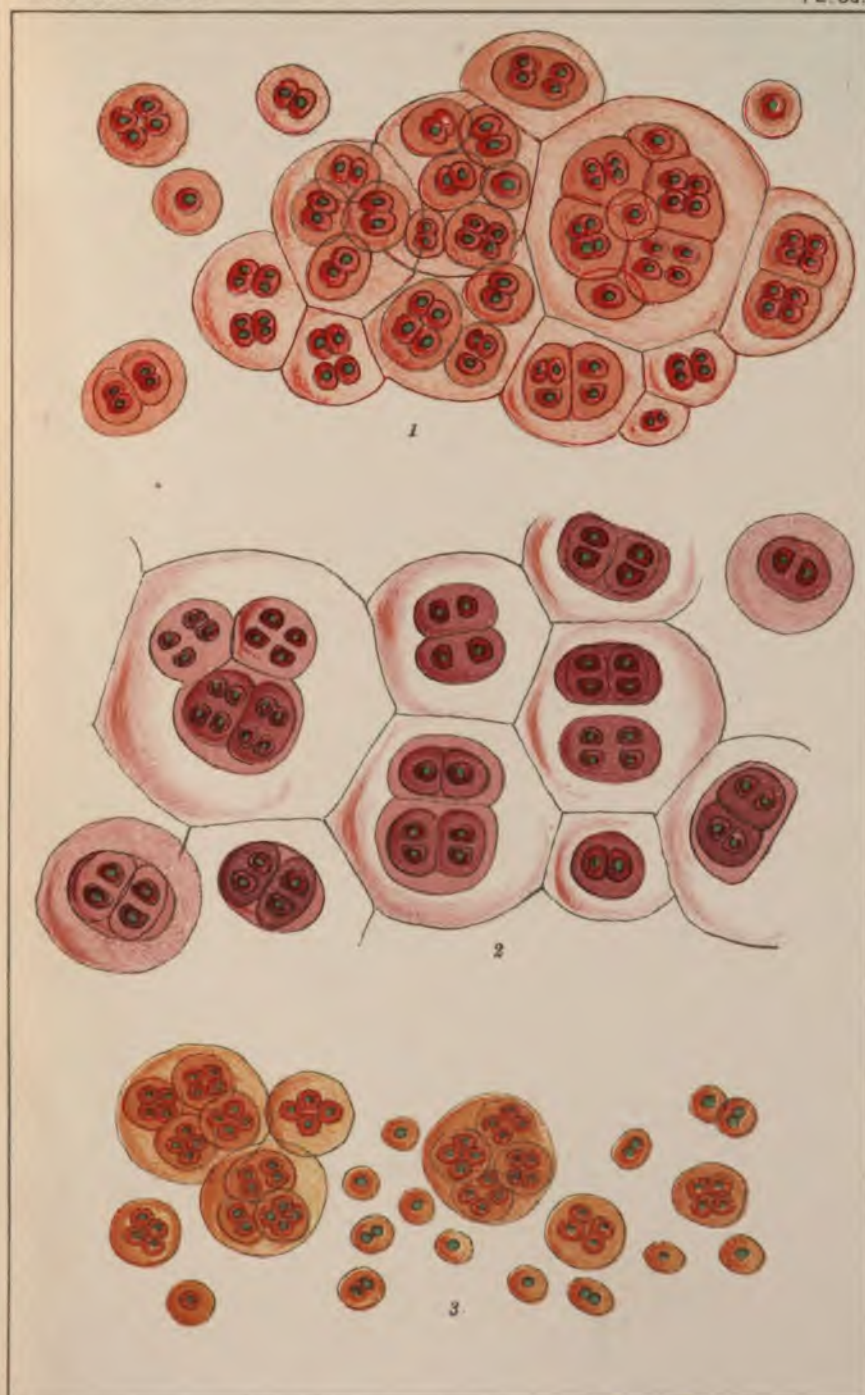


1. *Gloeocapsa arenaria*. Rabh. 2. *Gloeocapsa seruginosa*. Kütz. 3. *Gloeocapsa Magma*. Kütz.
 4. *Gloeocapsa rupicola*. Kütz. 5. *Gloeocapsa rupestris*. Kütz.







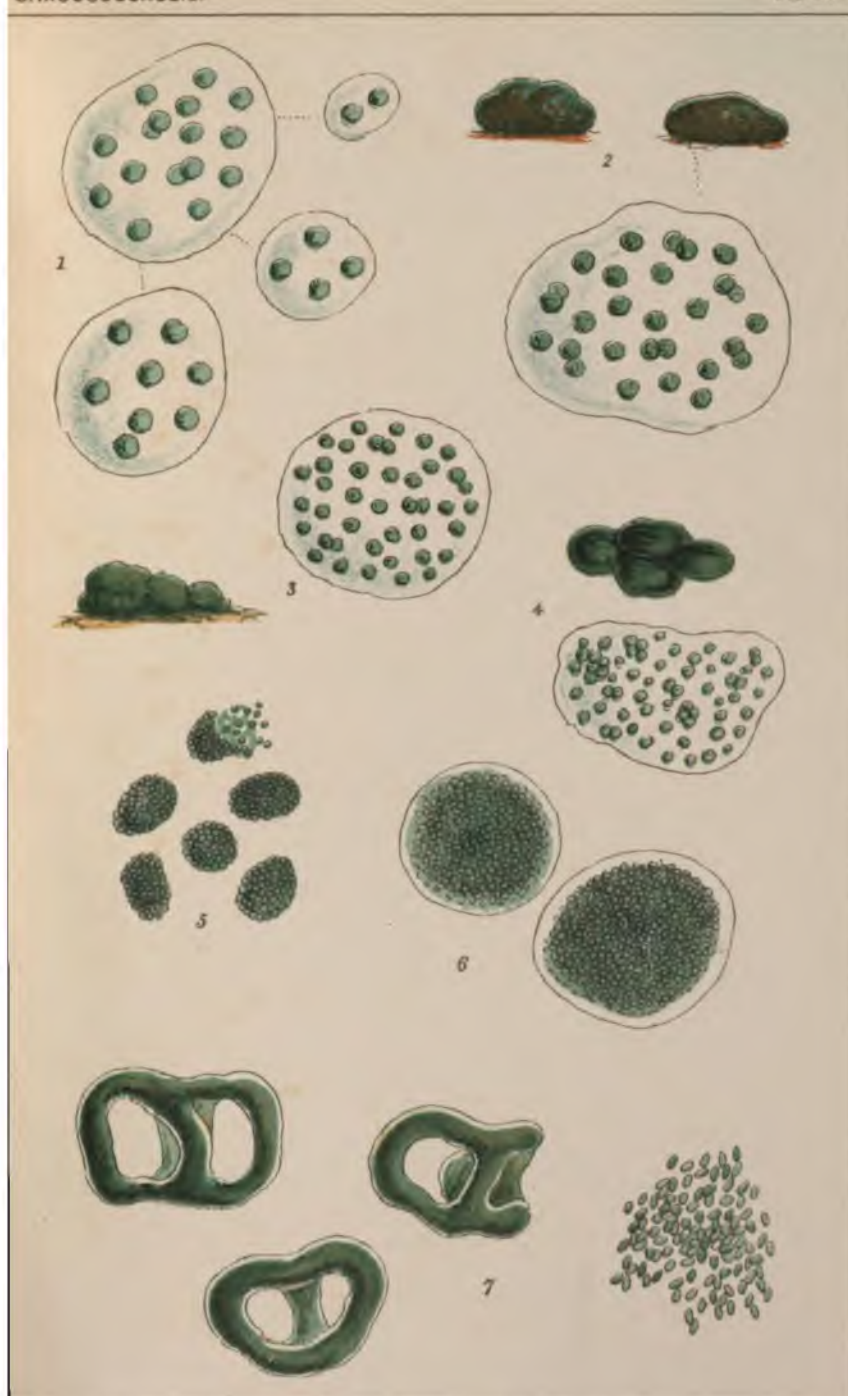


1. *Gloeocapsa sanguinea*, Kütz. 2. *Gloeocapsa Ralfsiana*, Kütz.
3. *Gloeocapsa Shuttleworthiana*, Kütz.

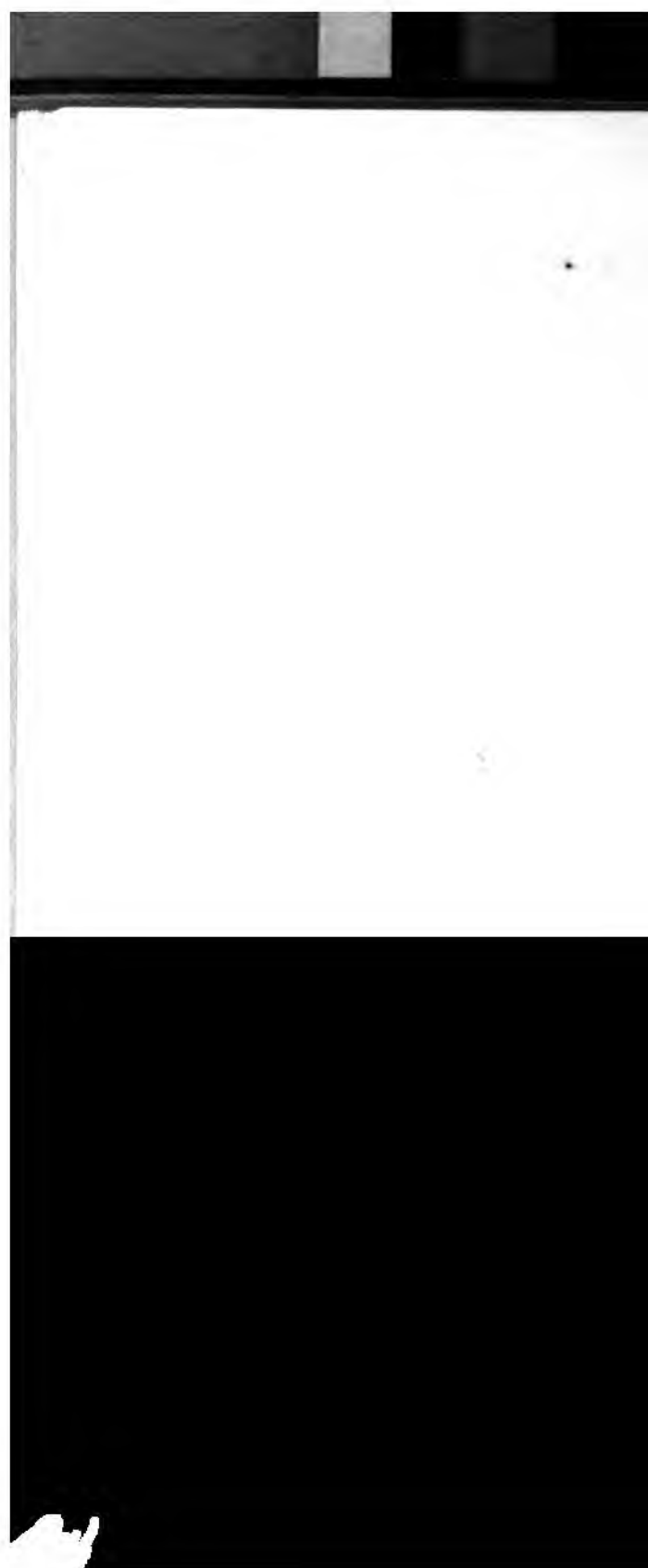




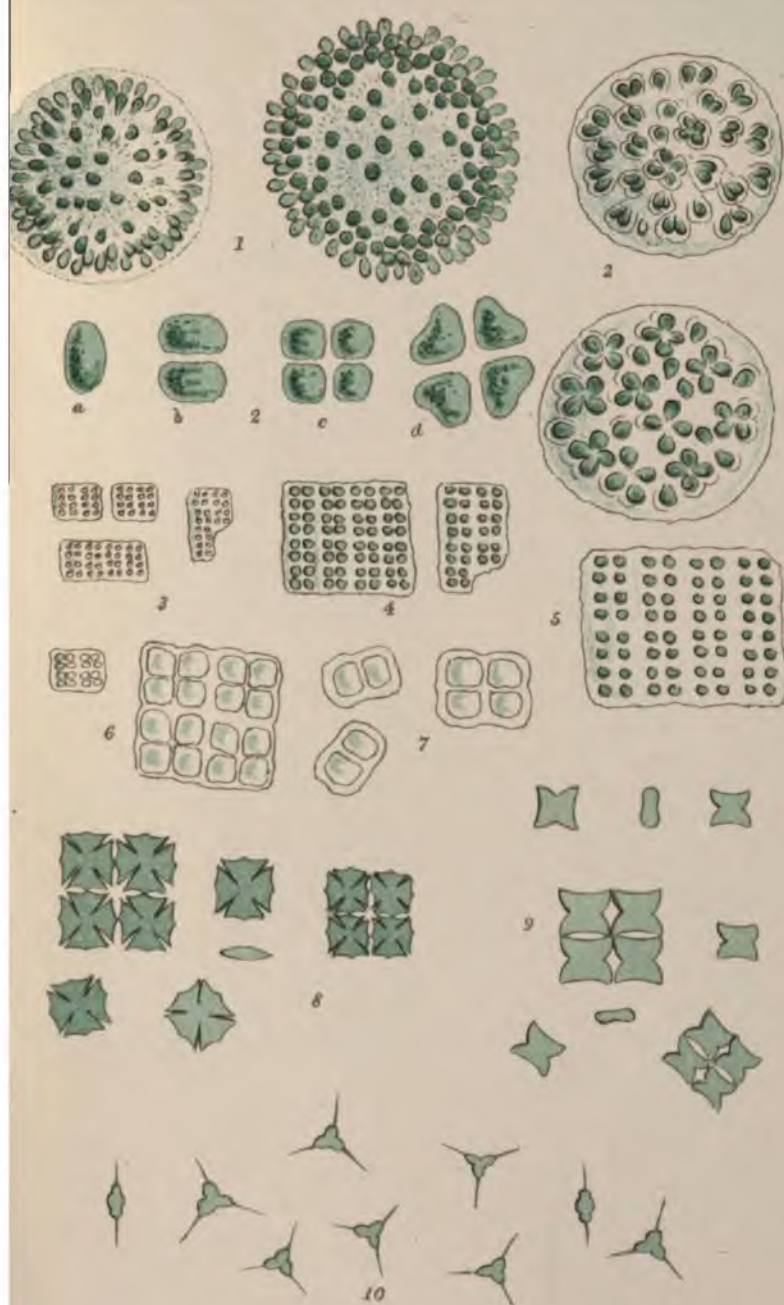




1. *Aphanocapsa virescens*. Rabh. 2. *Aphanocapsa rivularis*. Rabh. 3. *Aphanocapsa Grevillei*. Rabh.
 4. *Aphanocapsa depressa*. Rabh. 5. *Microcystis protogenita*. Rabh. 6. *Microcystis marginata*. Men.
 7. *Clathrocystis æruginosa*. Henfr.

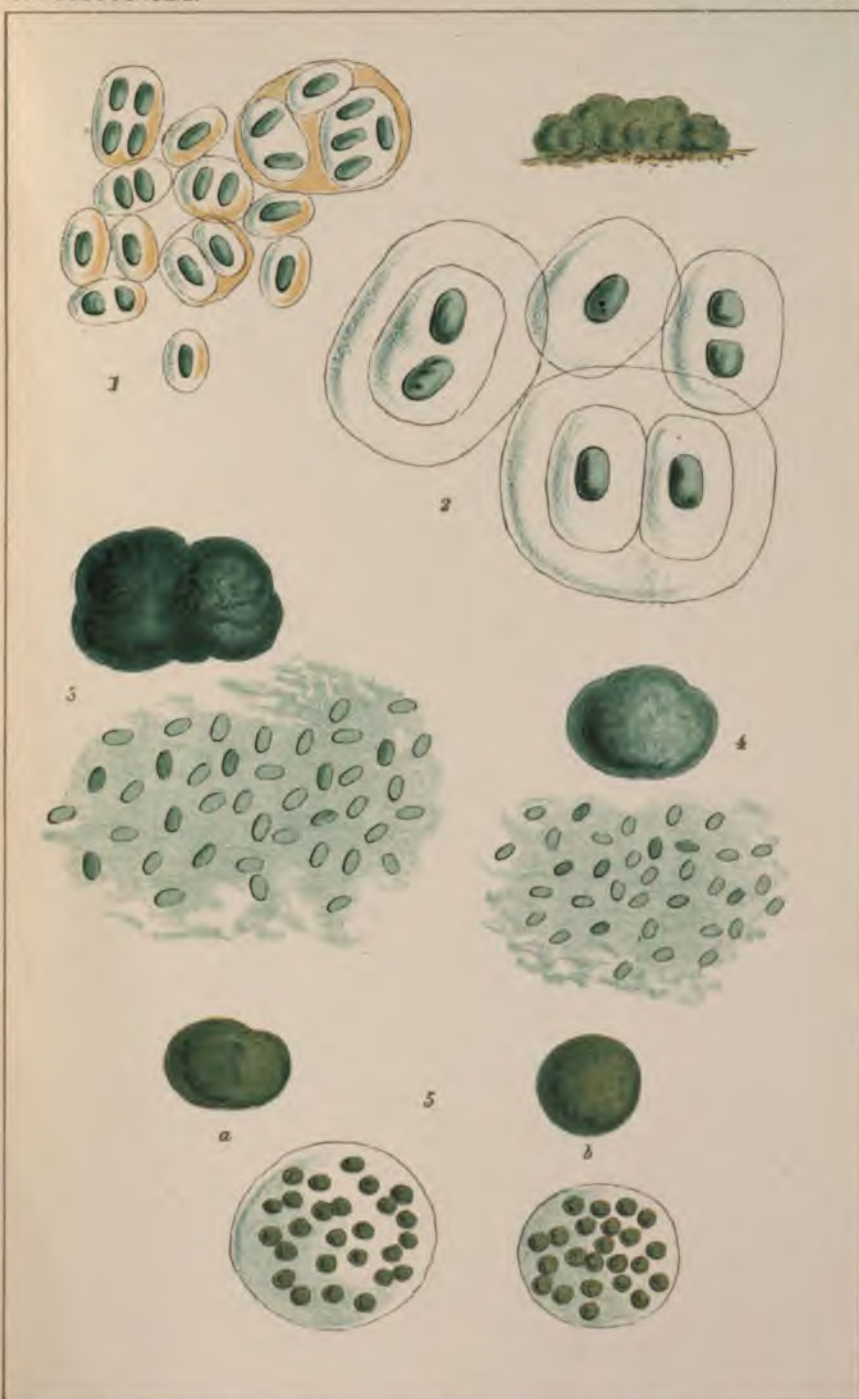






1. *Merismopedia Kutzingianum*, Nag. 2. *Gomphosphaxia aponina*, Kutz. 3. *Merismopedia violacea*, Kutz. 4. *Merismopedia glauca*, Nag. 5. *M. punctata*, Mey. 6. *Merismopedia ventriculi*, Rob. 7. *M. venis*, Rob. 8. *Tetrapedia Cruz-Michaeli*, R. 9. *Tetrapedia Reinschiana*, Ar. 10. *Tetrapedia retigera*, Ar.

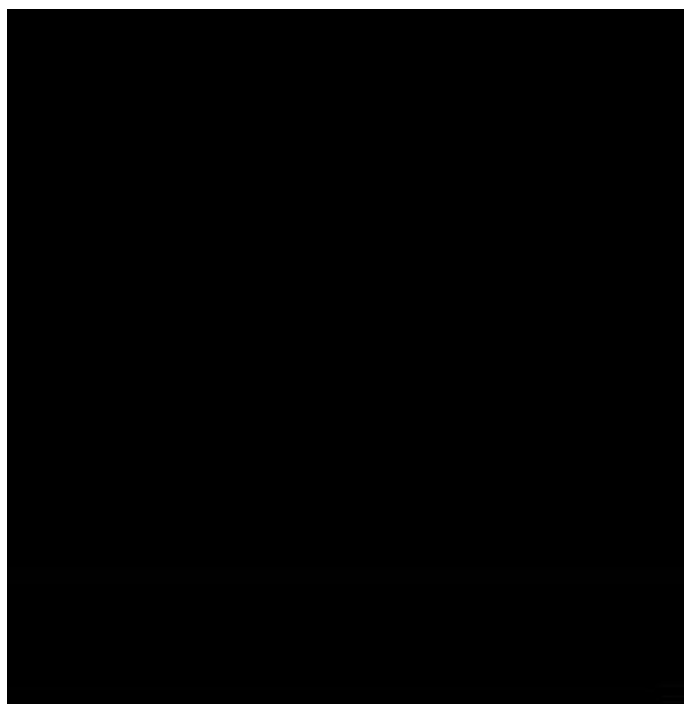
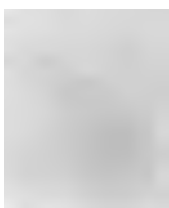


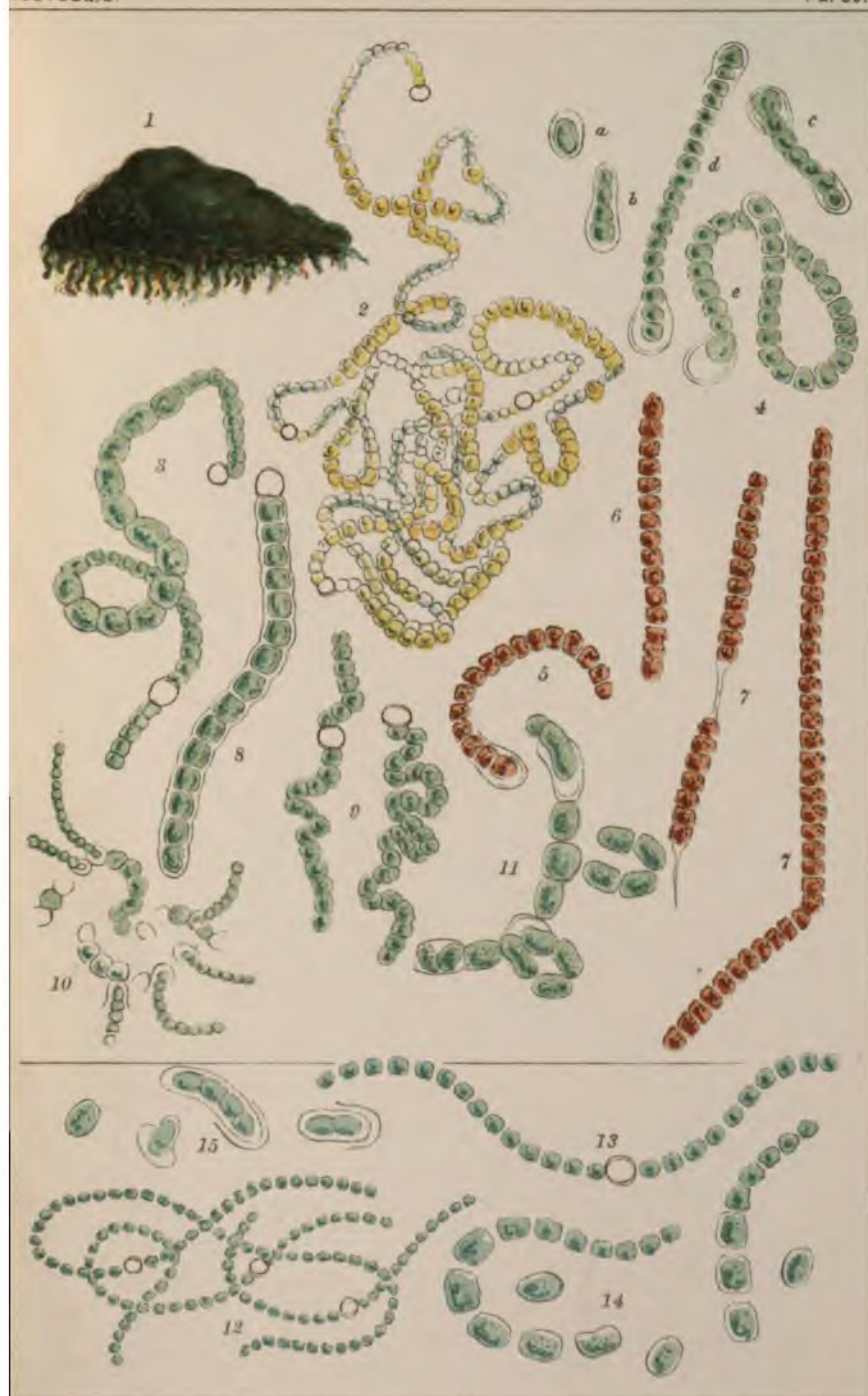


1. *Gloeotheca cystifera*. Rabh. 2. *Gloeotheca granosa*. Rabh. 3. *Aphanothece prasina*. Br.
 4. *Aphanothece stagnina*. Br. 5. *Homalococcus Hassallii*. Kütz.









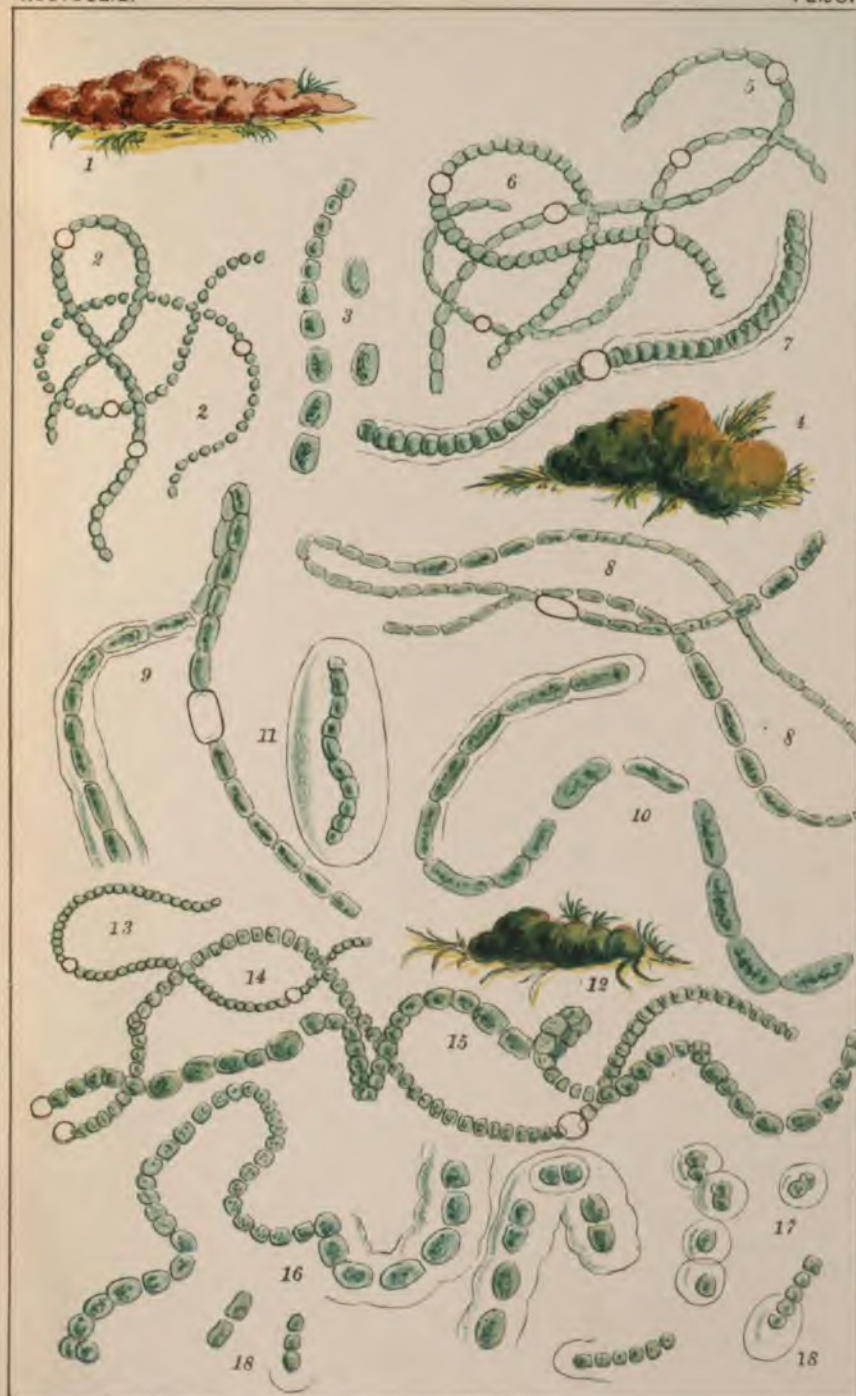
1—11. *Nostoc lánckia*. Born. 12—15. *Nostoc piscinale*. Kutz.

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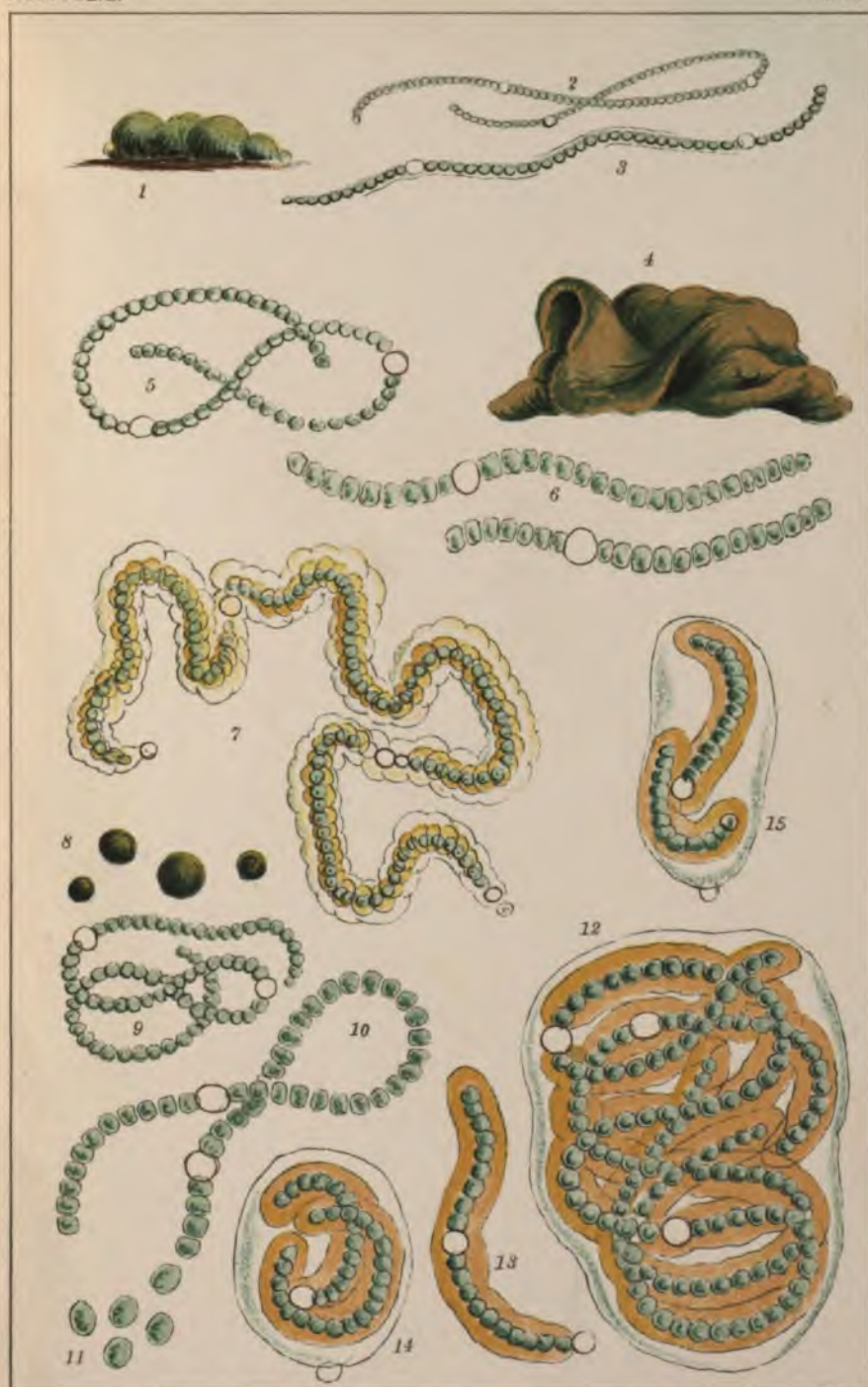


1—3. *Nostoc carneum*. Ag. 4—7. *Nostoc spongiiforme*. Ag.
 8—11. *Nostoc ellipsosporum*. Desm. 12—18. *Nostoc muscorum*. Ag.

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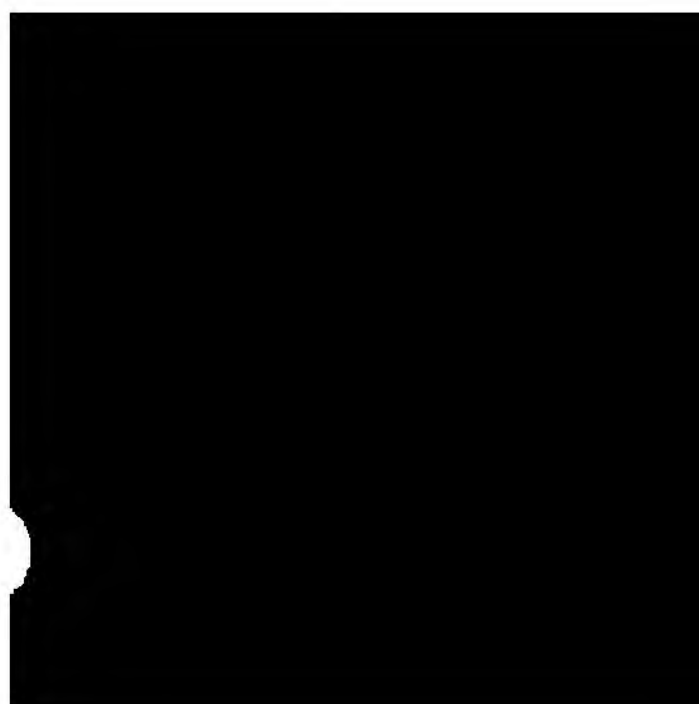
1-3. *Nostoc humifusum*. Carm. 4-7. *Nostoc commune*. Vauch.
 8-11. *Nostoc sphaericum*. Vauch. 12-15. *Nostoc rupestre*. Kutz.







1—3. *Nostoc macrosporum*. Men. 4—6. *Nostoc ceruleum*. Lyngb.
 7—9. *Nostoc pruniforme*. Ag. 10—17. *Nostoc verrucosum*. Vauch.







Anabaena flos-aque. Fr. 2. *Anabaena variabilis.* K. 3. *Anabaena Hassallii.* N. & W.
Anabaena inaequalis. (Ralfs) 5. *Anabaena Thwaitesii.* (Ralfs) 6. *Anabaena oscillarioides.* (Bory.)
 7. *Anabaena Smithii.* (Ralfs)







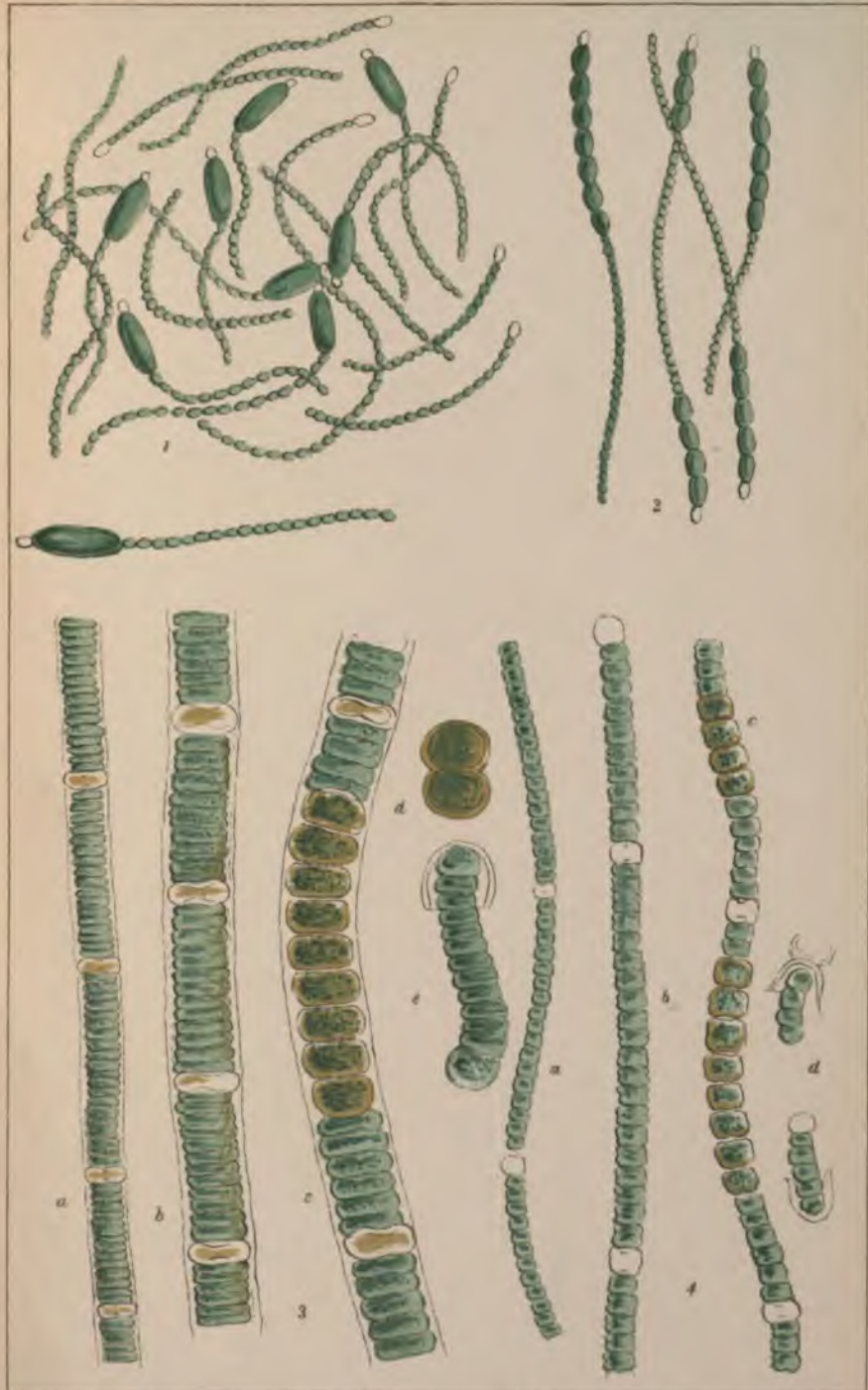


1. *Sphærozyga* Ralfsii, (Kütz.) 2. *Aphanizomenon flos-aquæ*, Morr. 3. *Sphærozyga Carmichaeli*, Harv.
Sphærozyga Broomei, (Thur.) 5. *Sphærozyga Jacobi*, Ralfs. 6. *Sphærozyga Mooreana*, Ralfs.
Sphærozyga elastica, (Ralfs.) 8. *Sphærozyga leptosperma*, Ralfs. 9. *Sphærozyga Berkeleyana*, Thwaites

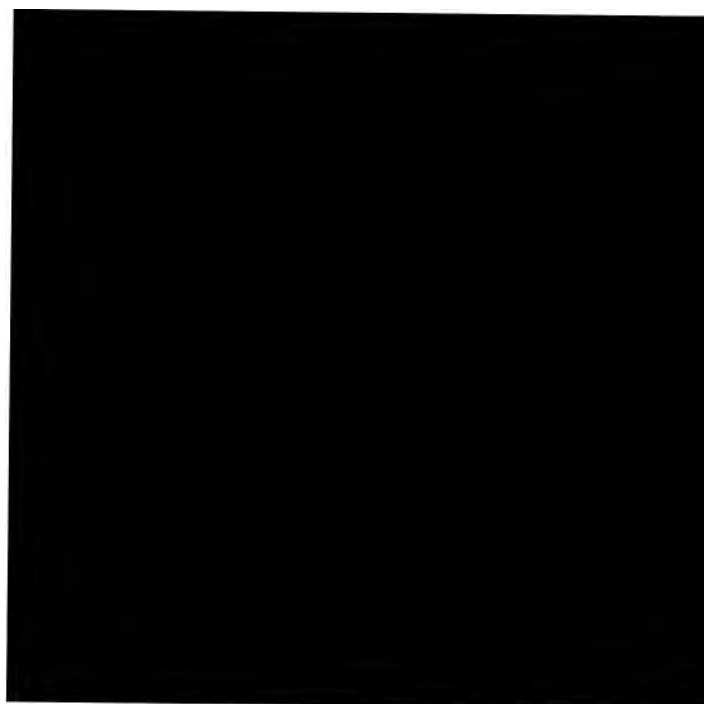
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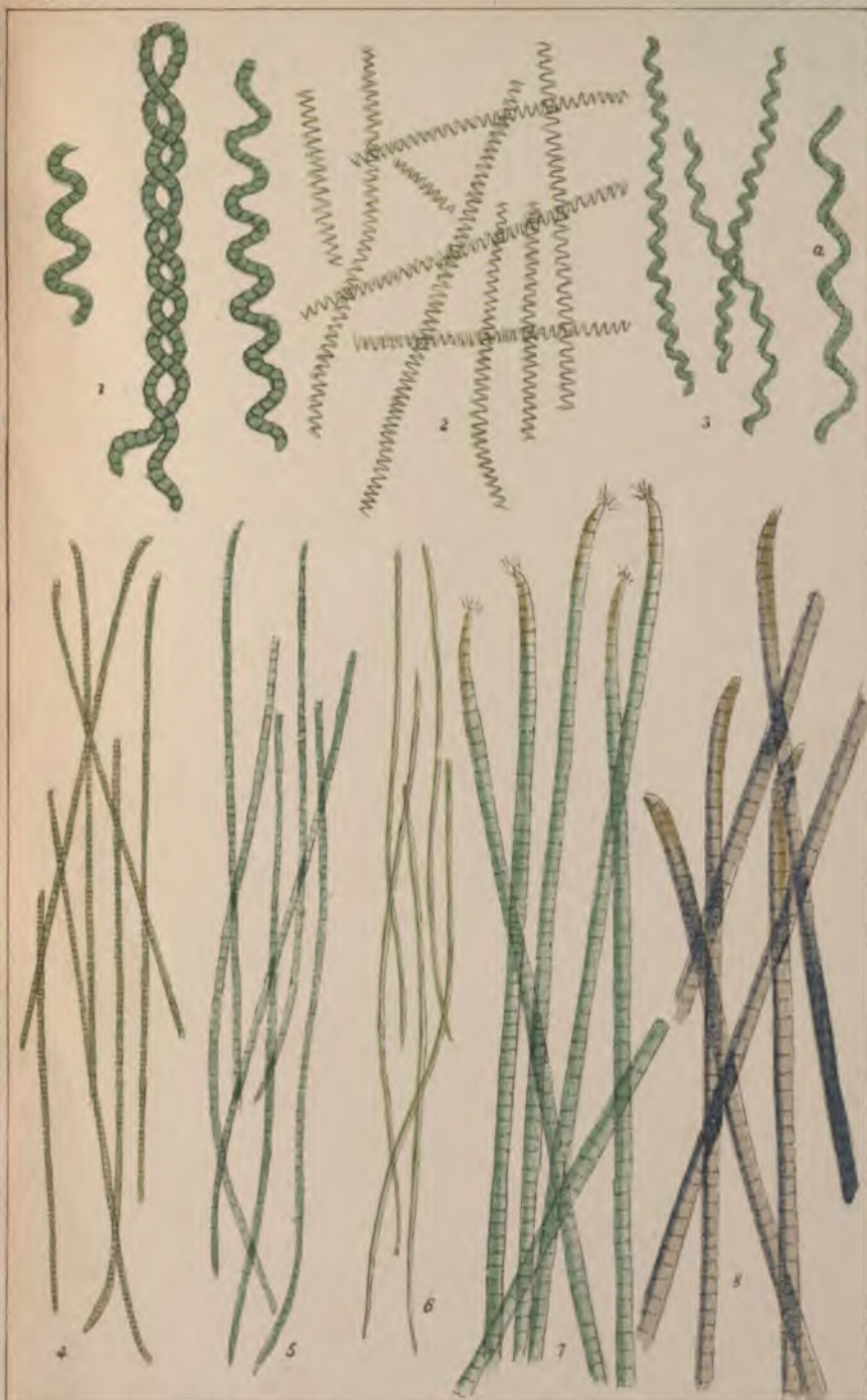


1. *Cylindrospermum macrospermum*. Desm. 2. *Cylindrospermum catenatum*. Ralfs.
 3. *Nodularia litorea*. Thur. 4. *Nodularia Harveyana*. Thur.







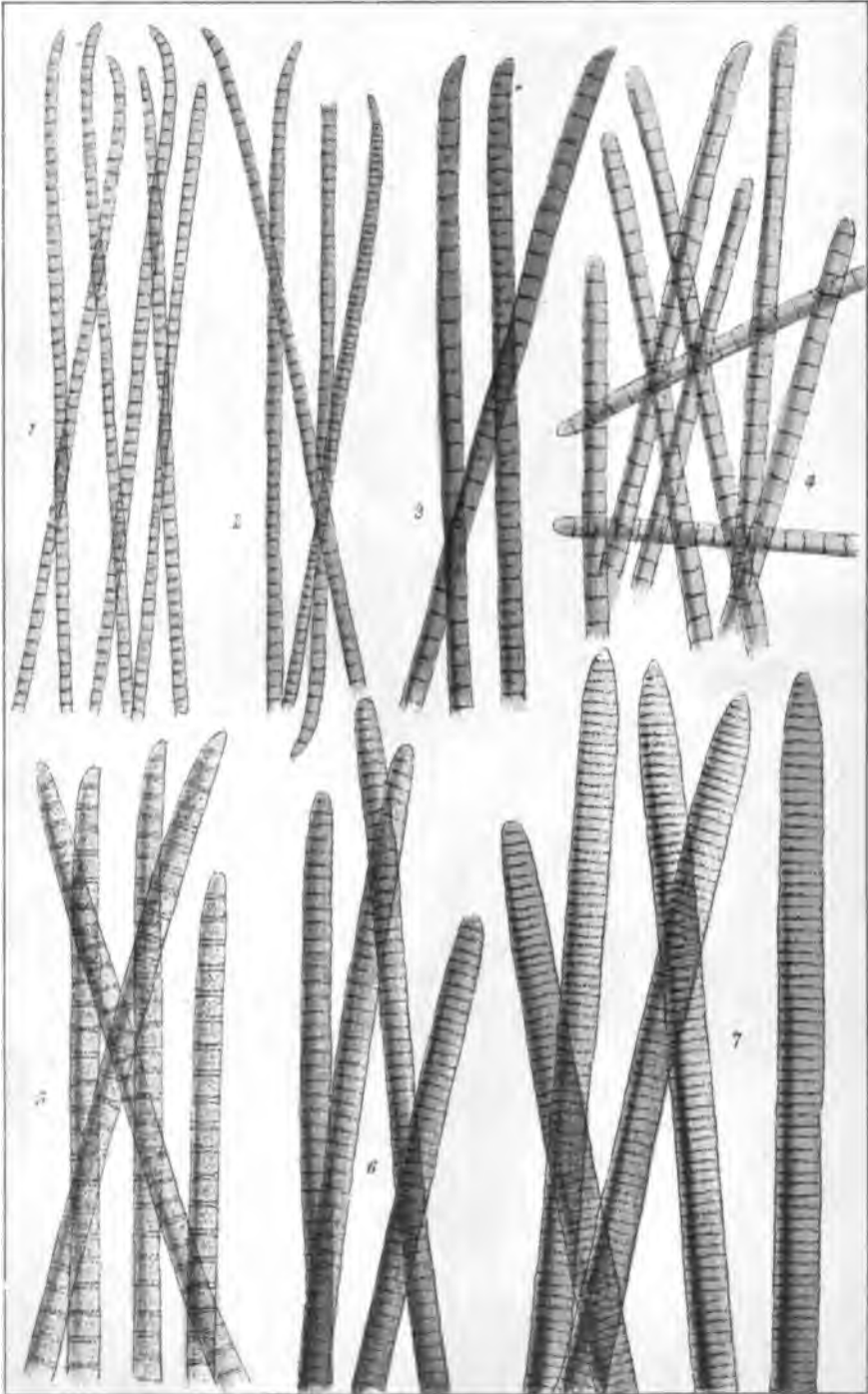


1. *Spirulina Jenneri*. K. 2. *Spirulina tenuissima*. K. 3. *Spirulina oscillarioides*. Turp.
 4. *Oscillaria tenerrima*. K. 5. *O. leptotricha*. K. 6. variety, *splendida*. Grev.
 7. *O. subfusca*. Vauch. 8. *O. tenuis*. Ag.







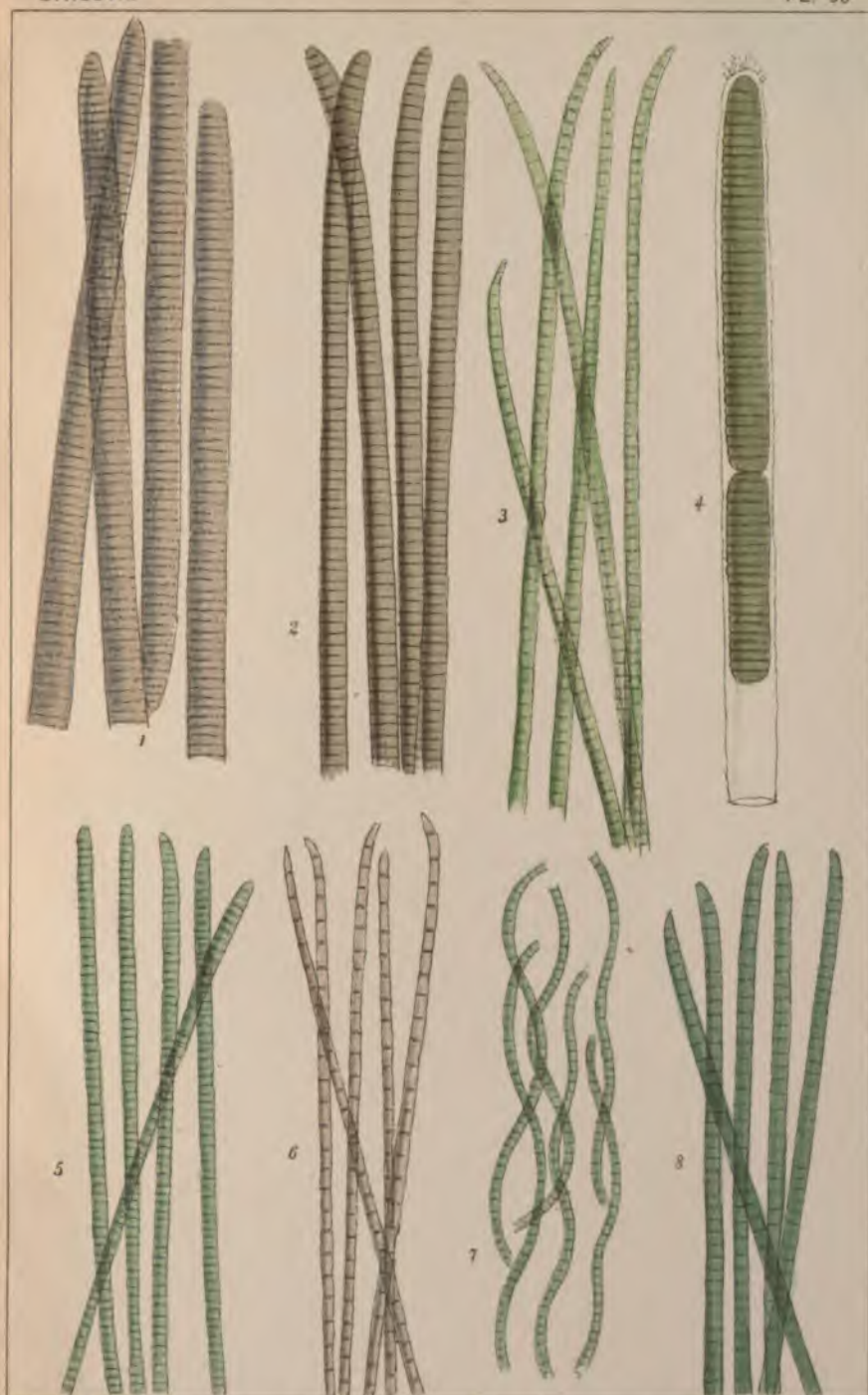


1. *Oscillaria tenuis*, var. *viridis*. 2. *O. antharia*, Jurg. 3. *O. limosa*, Ag.
 4. *O. limosa*, var. *chalybea*, K. 5. *O. irrigua*, K. 6. *O. nigra*, Vauch.
 7. *O. Frolichii*, Kutz.









1. *Oscillaria chalybea*. Mert. 2. *O. nigro-viridis*. Harv. 3. *O. subtiliformis*. Harv.
 4. *O. insignis*. Harv. 5. *O. ærugescens*. Drum. 6. *O. violacea*. Johnst.
 7. *O. spiralis*. Carm. 8. *O. muscorum*. Carm.

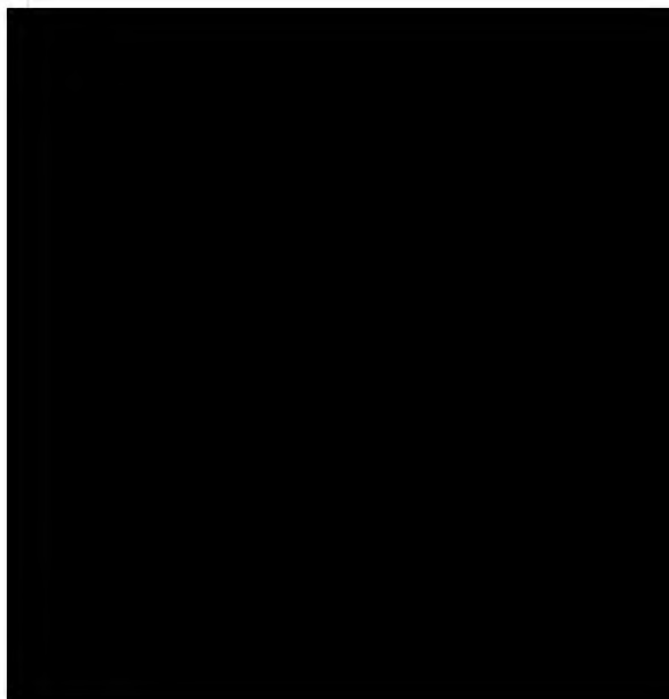








1. *Microcoleus gracilis*. Hass. 2. *Microcoleus terrestris*. Desm.







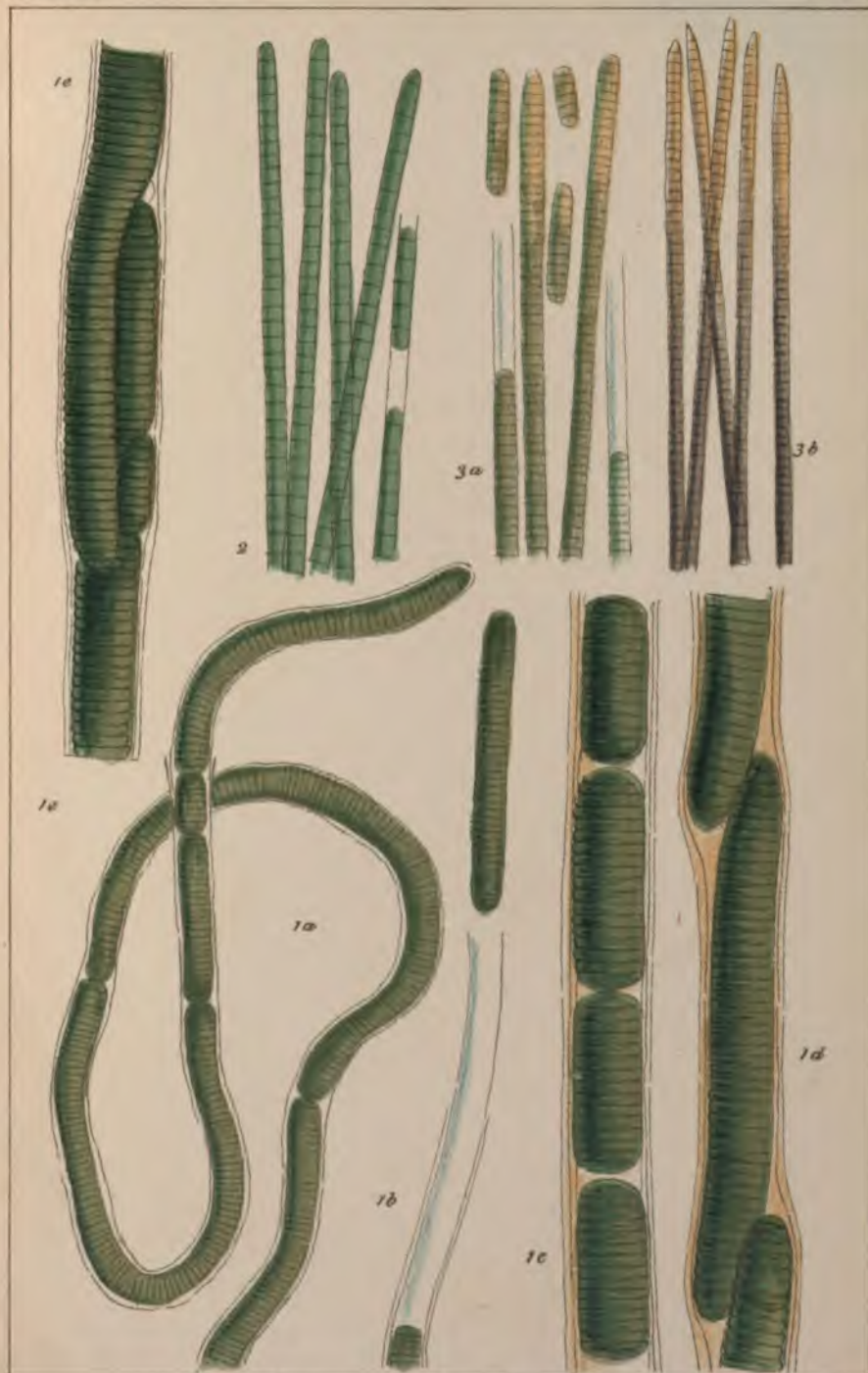


1. *Microcoleus chthonoplastes*, Thur. 2. *Inactis Cresswelli*, Thur.
3. *Inactis tinctoria*, Thur.

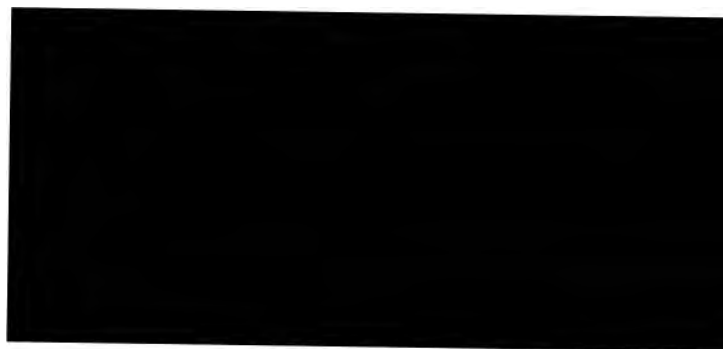






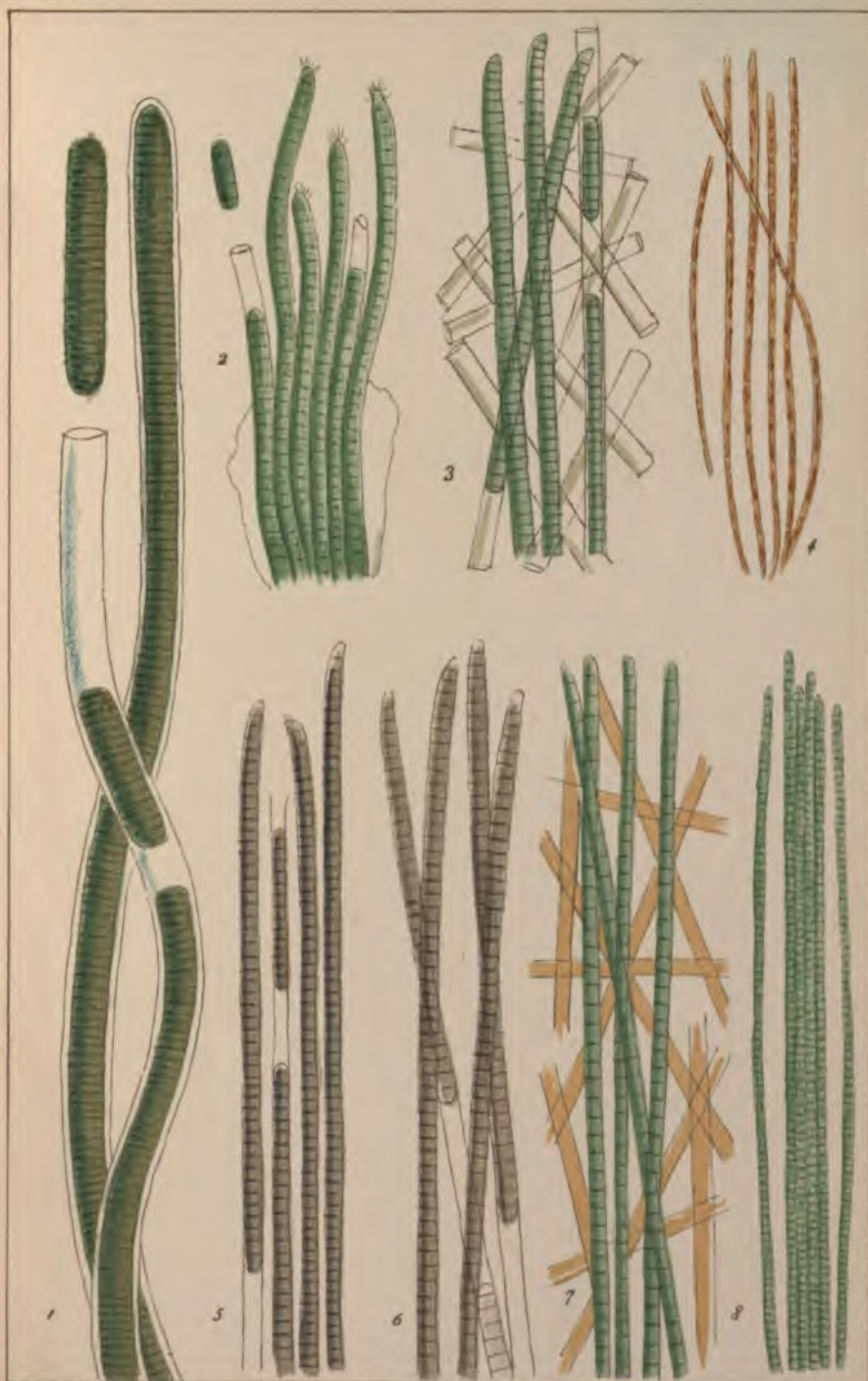


1. *Lyngbya æstuarii*. Lieb. 2. *Lyngbya rupestris*. Ag.
3. a. b. *Lyngbya subfusca*. Ag.

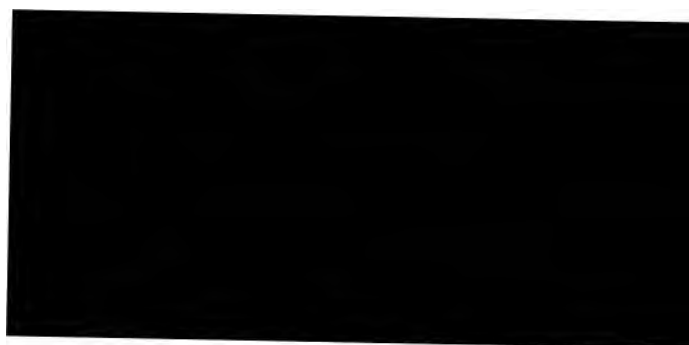






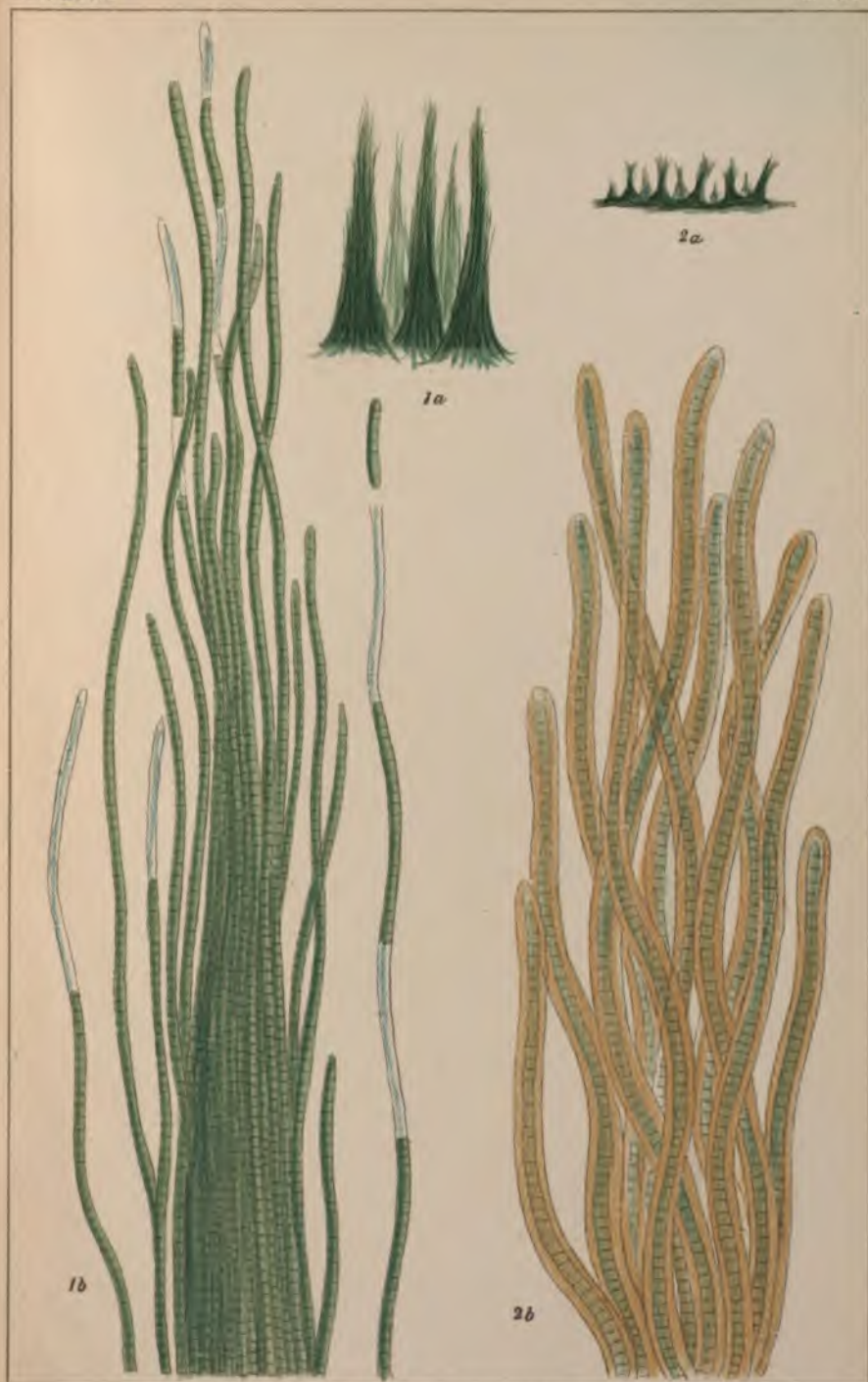


1. *Lyngbya littoralis*. (Carm.) *Lyngbya corium*. (Ag.) 3. *Lyngbya turfosa*. (Carm.)
 4. *Lyngbya ochracea*. Thur. 5. *Lyngbya vulgaris*. K. 6. *Lyngbya vulgaris*. var. *myochroa*.
 7. *Lyngbya papyrina*. K. 8. *Lyngbya inundata*. K.









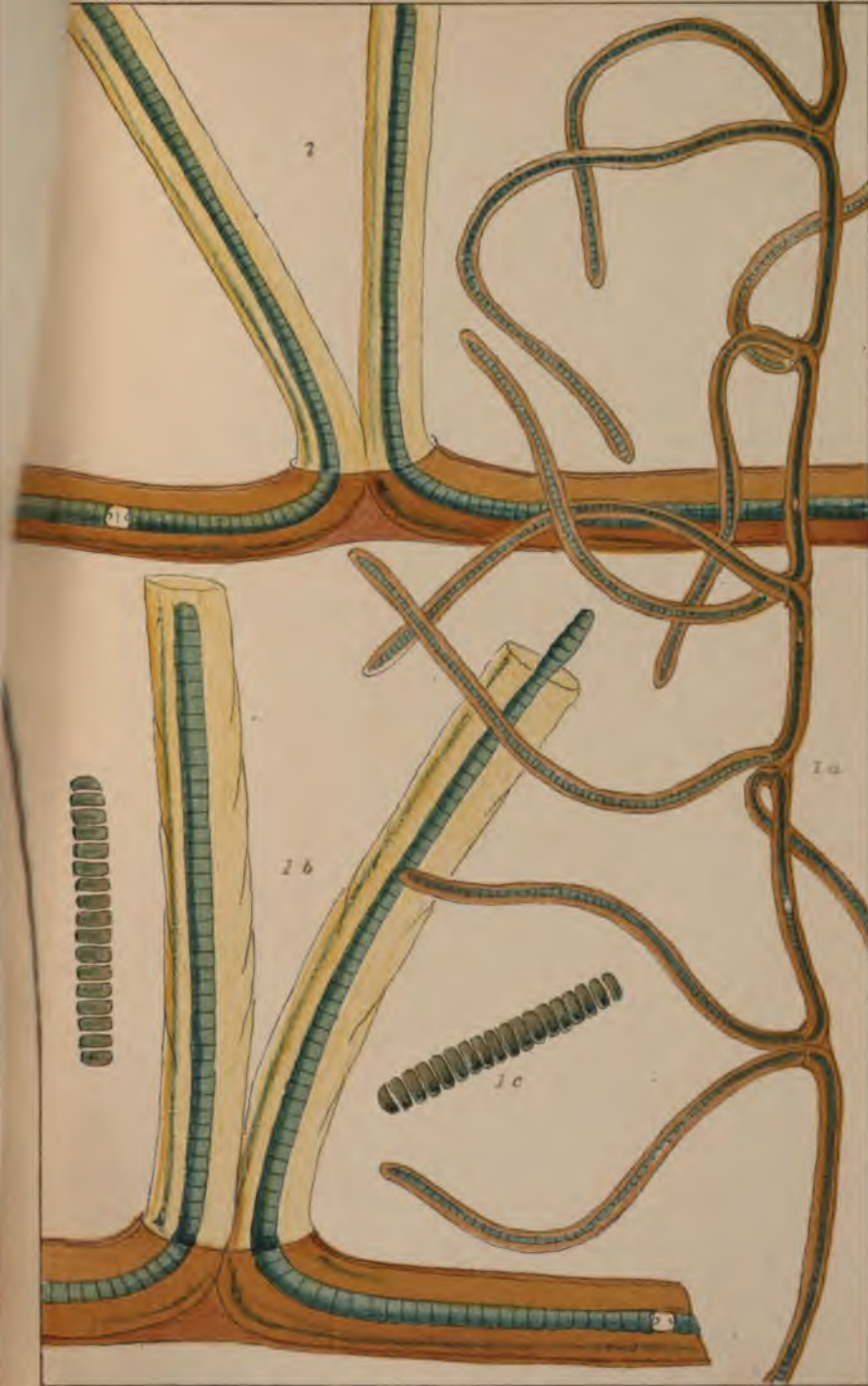
1. *Symploca Ralfsiana*, Kütz. 2. *Symploca lucifuga*, Harv.







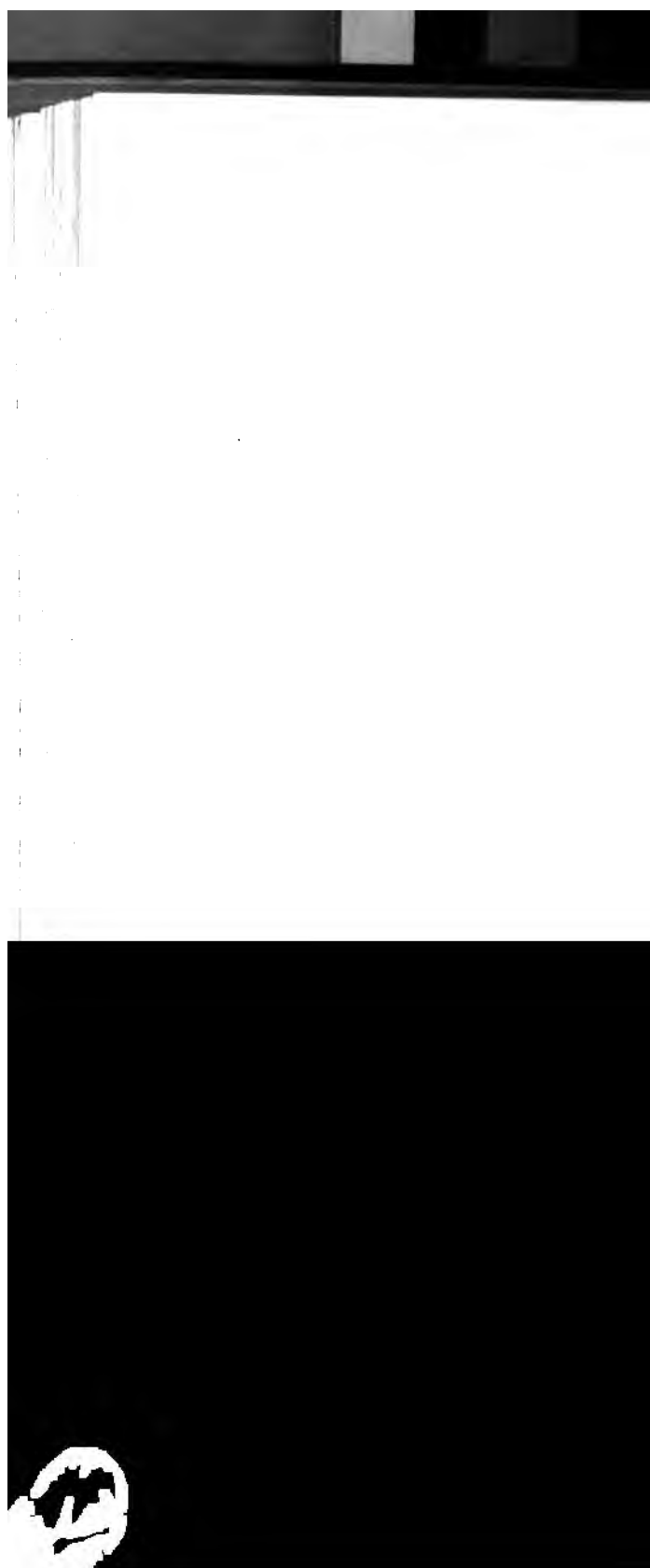
1. *Plectonema mirabile*. Thur. 2. *Plectonema Kirchneri*. Cooke.

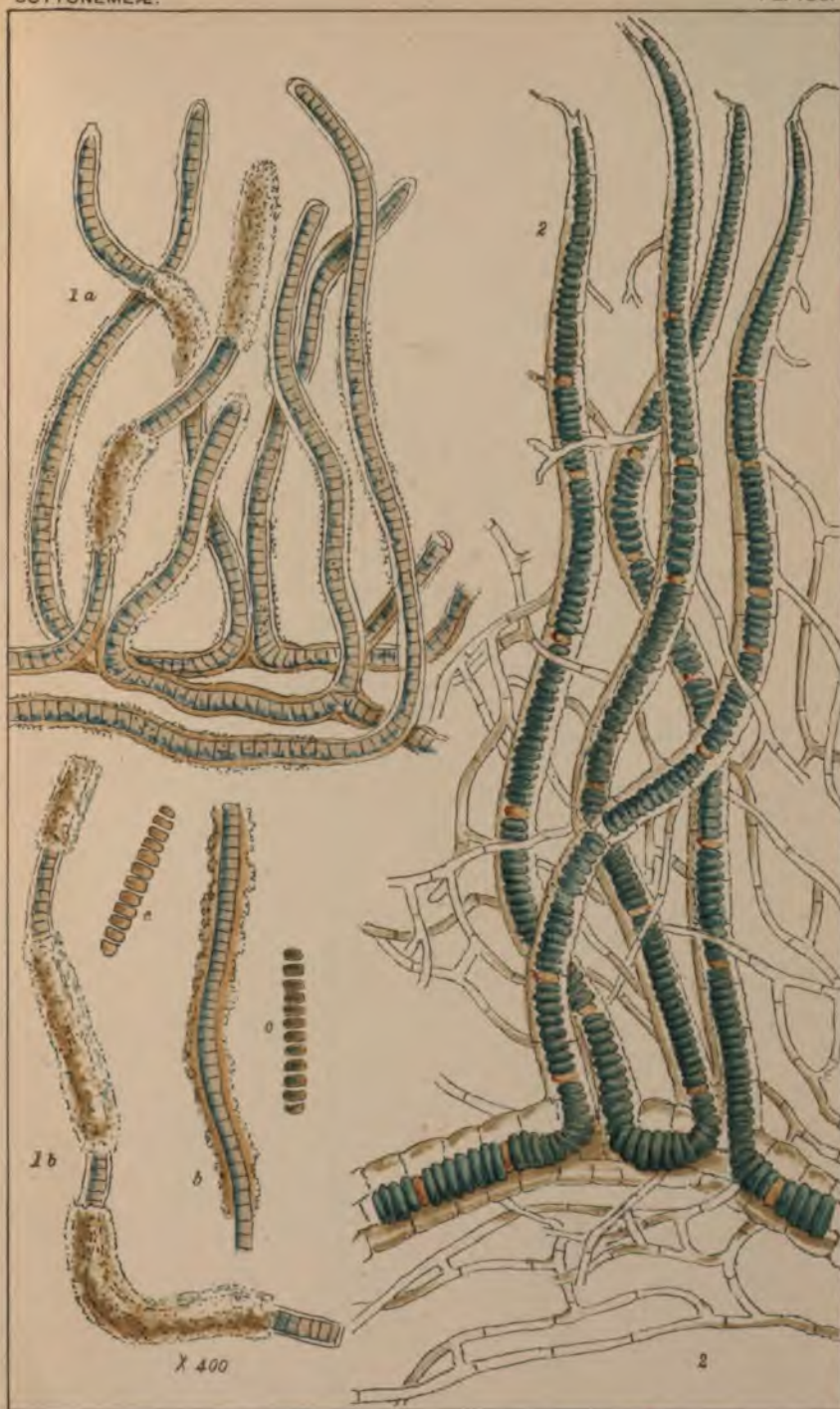


1. *Scytonema myochroum*. Ag.

2. *Scytonema natans*. Breb.

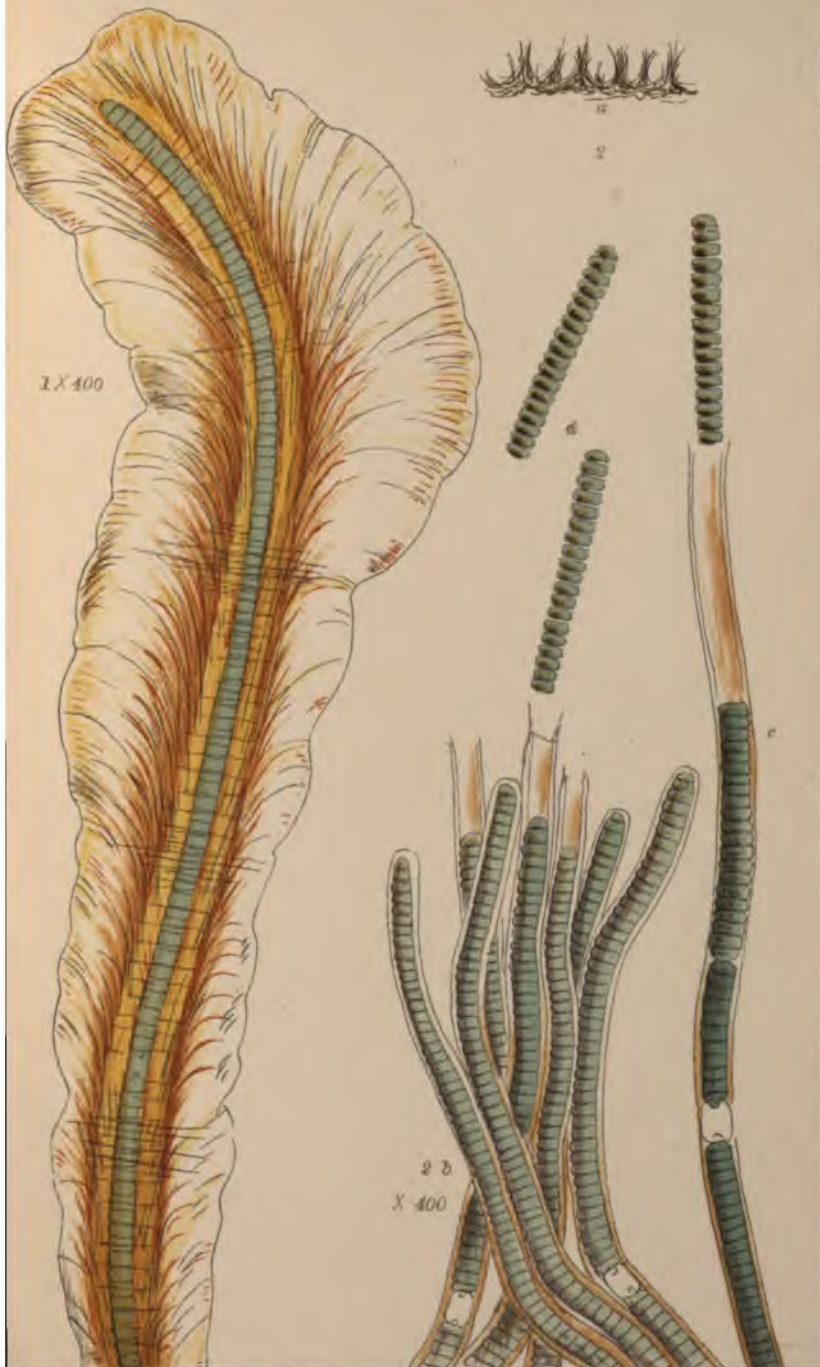




1. *Scytonema cinereum*. Kütz.2. *Scytonema interruptum* (Carm.).

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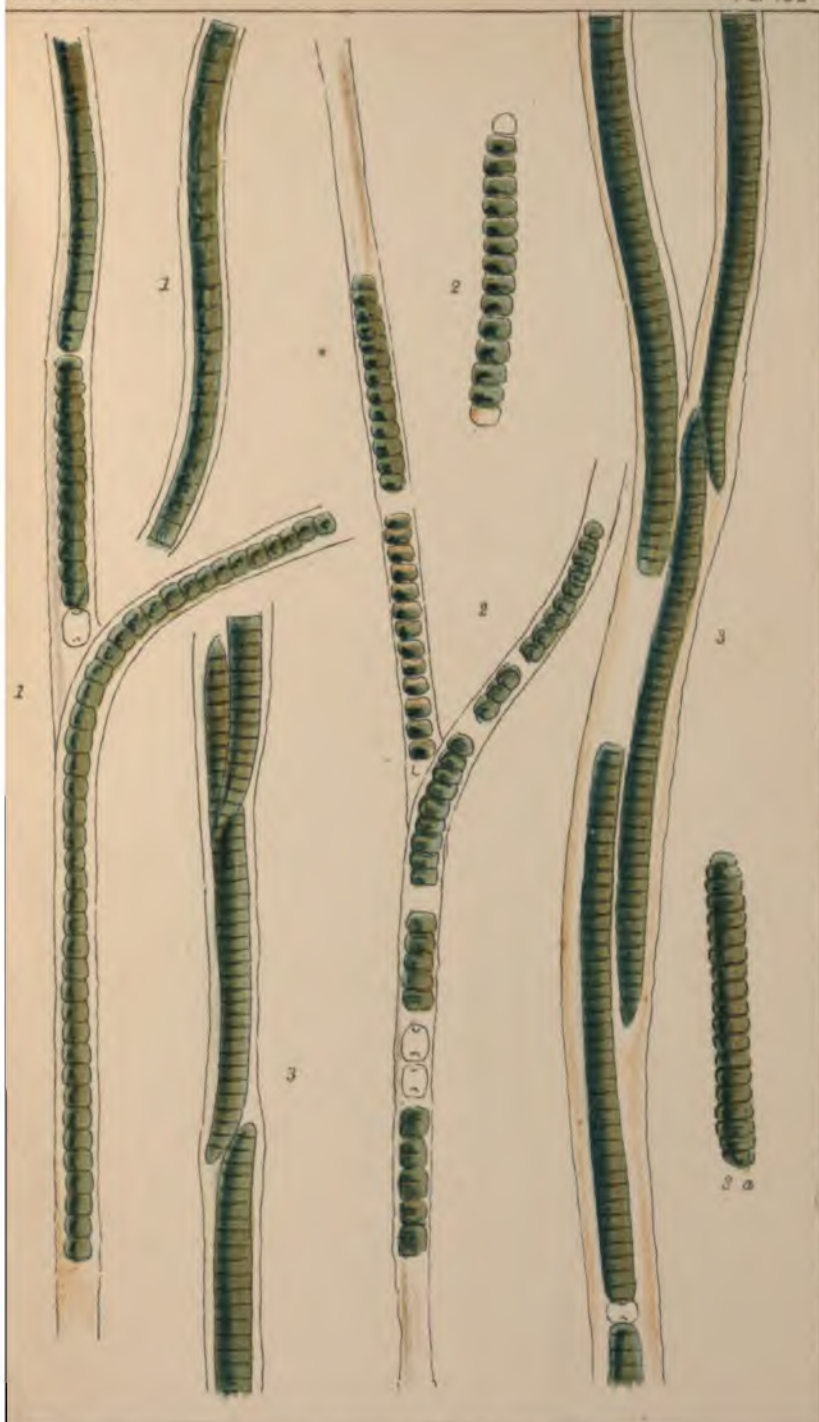
1. *Petalonema alatum*. Berk.

2. *Symphyosiphon Hoffmanni*. Thur.









1. *Tolypothrix flaccida*. (Ag.) 2. *Tolypothrix distorta*. Kutz.
3. *Tolypothrix cirrhosa* (Carm.).





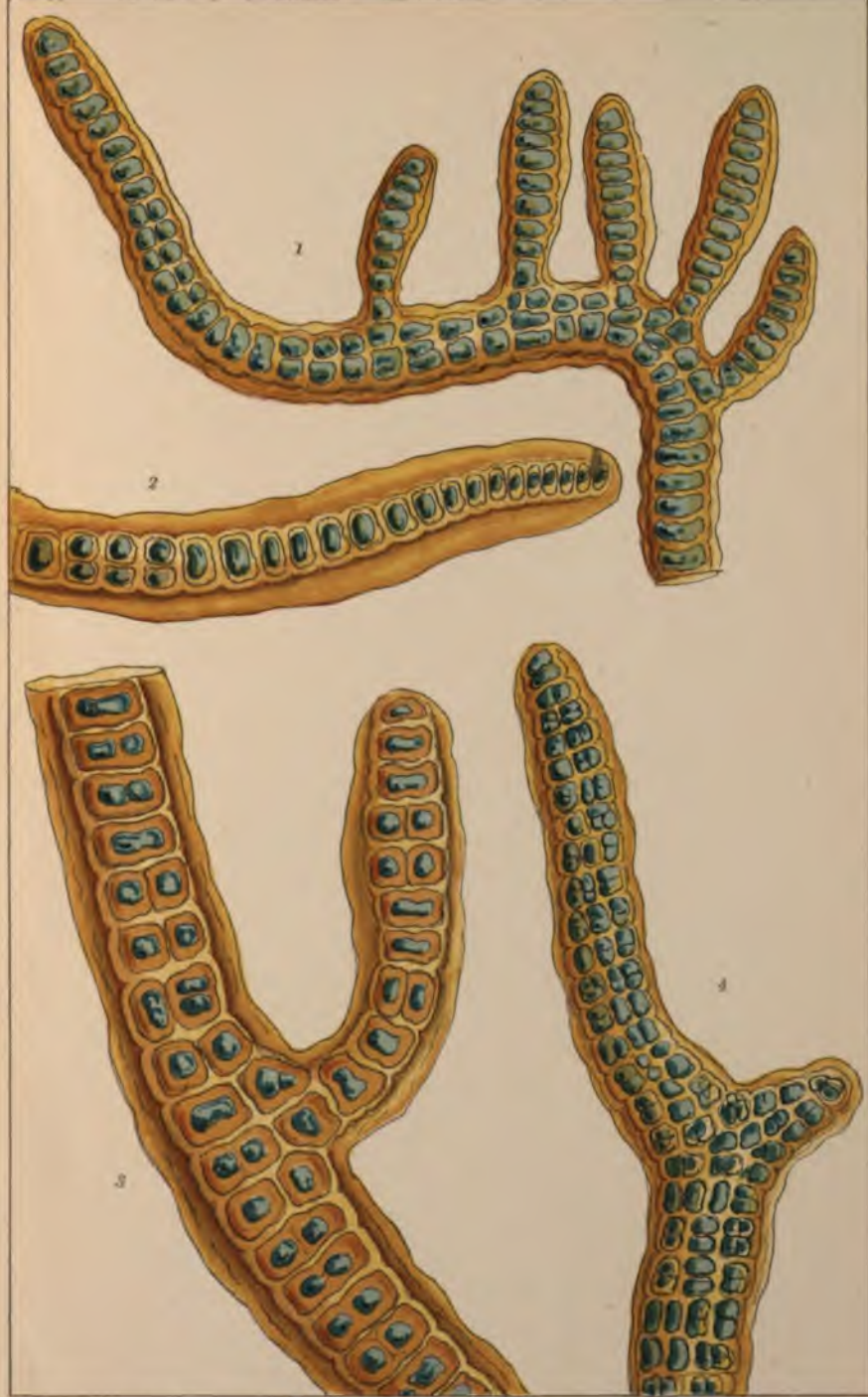




1. *Tolypothrix agagropila*. Kutz. 2. *Tolypothrix agagropila*, var. *pygmaea*. Kutz.
3. *Tolypothrix coactilis*. Kutz.



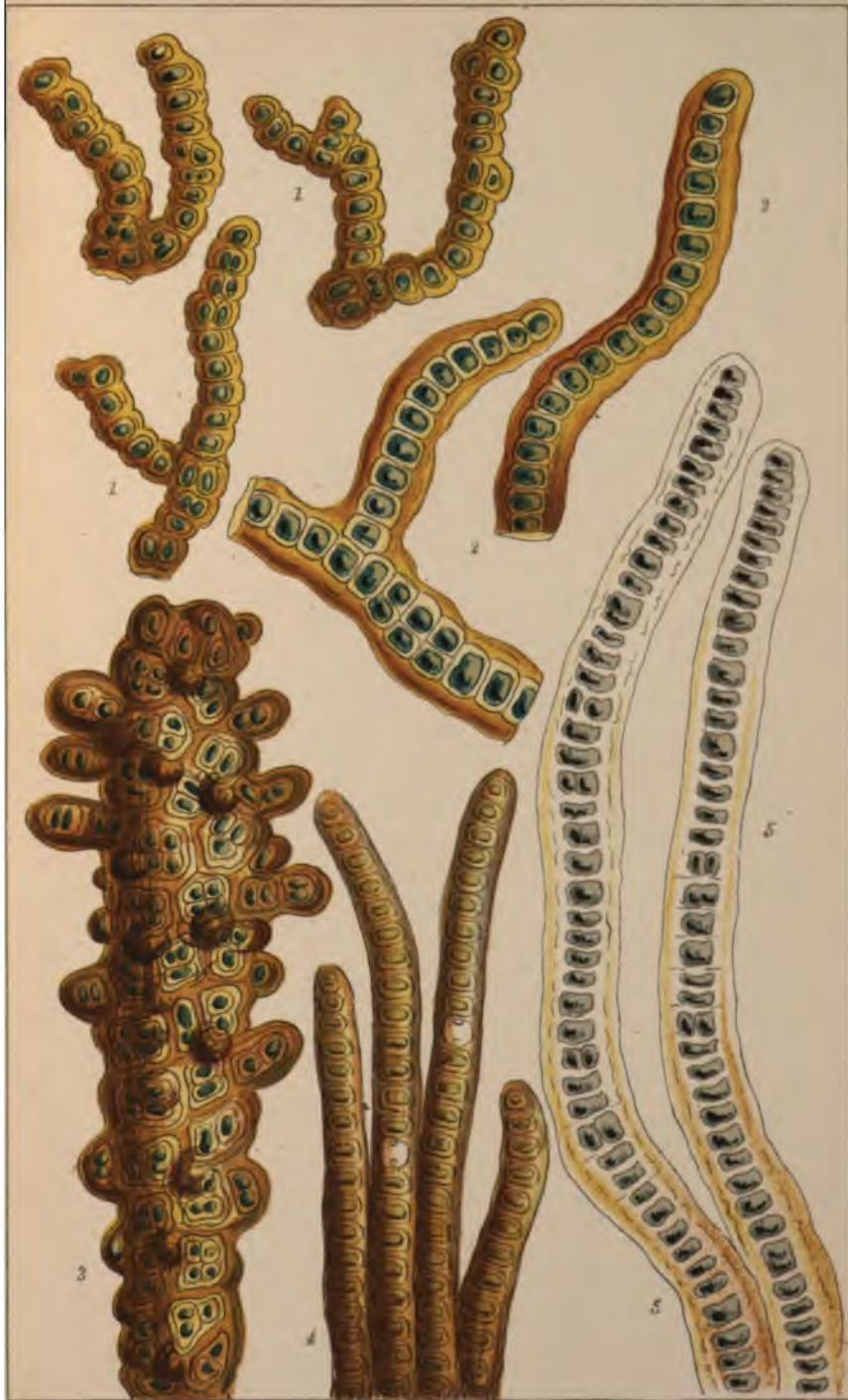


1. *Stigonema minutum* (Ag.).2. *Stigonema ocellatum* (Dill.).3. *Stigonema Bouteillei* (Breb.).4. *Stigonema panniforme* (Ag.)

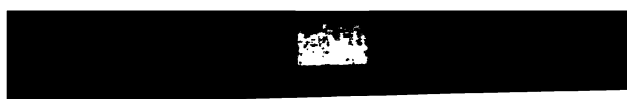
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1. *Stigonema saxicola* Nag.2. *Stigonema turfaceum* (Link)3. *Stigonema mamillosum* Ag.4. *Stigonema compactum* Ag.5. *Hupalosiphon byzoides* Thur.

Variable	Mean	SD	Min	Max
Age	38.5	12.5	25	65
Gender	0.5	0.5	0	1
Marital status	0.7	0.5	0	1
Education	12.5	2.5	9	16
Income	1500	500	1000	2500
Health status	0.8	0.4	0	1
Employment status	0.6	0.5	0	1
Life satisfaction	4.5	1.5	1	7
Depression	0.3	0.5	0	1
Stress	3.5	1.5	1	6
Quality of life	5.5	1.5	1	9



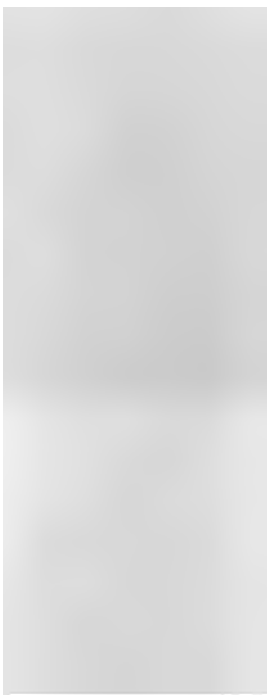


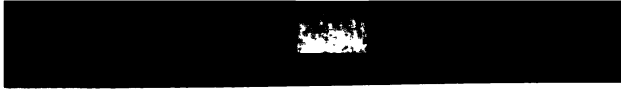


1. *Dasygloia amorpha*. Thw. 2. *Petronema fruticosum*. Thw.
 3. *Seytonema crustaceum*. Ag.

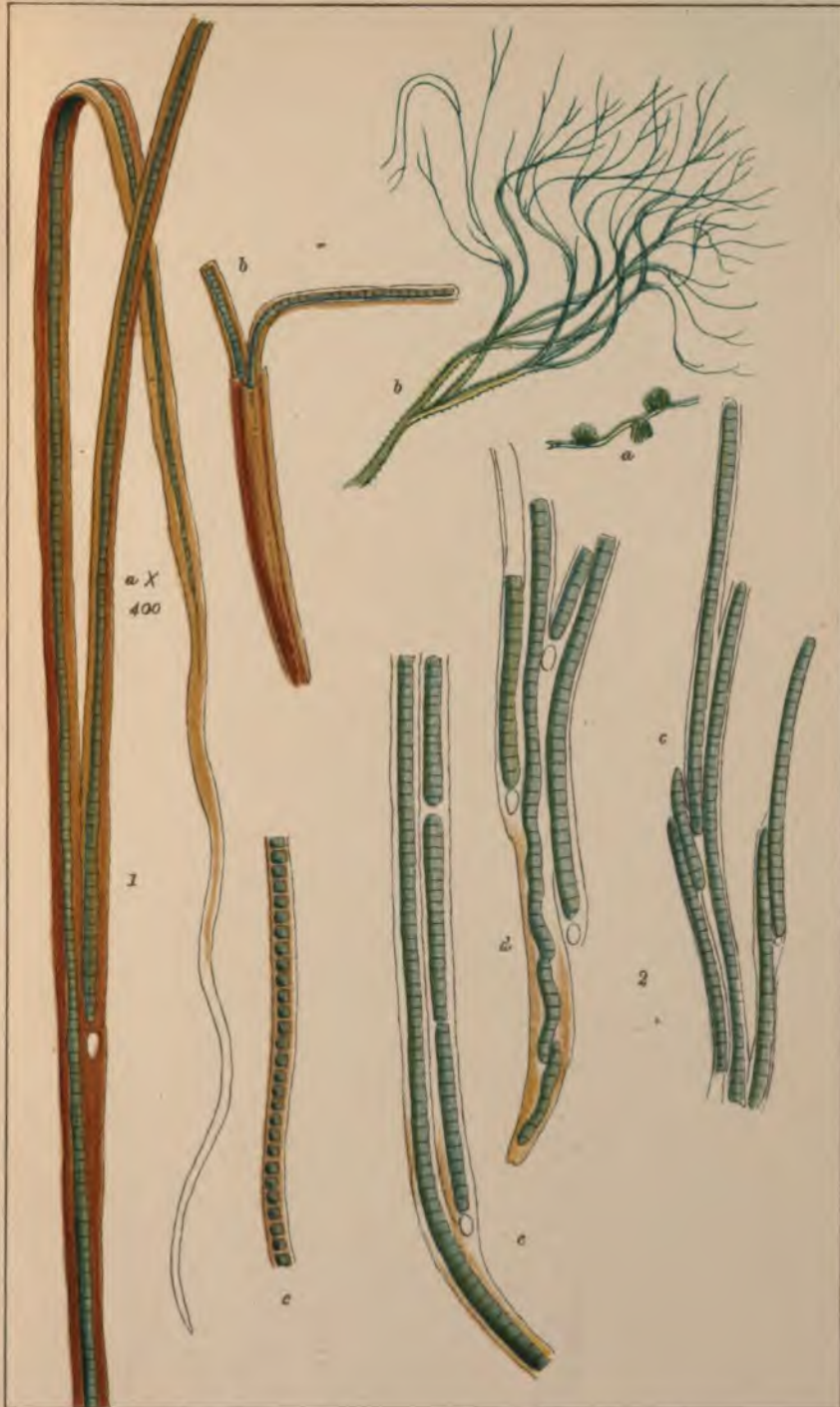
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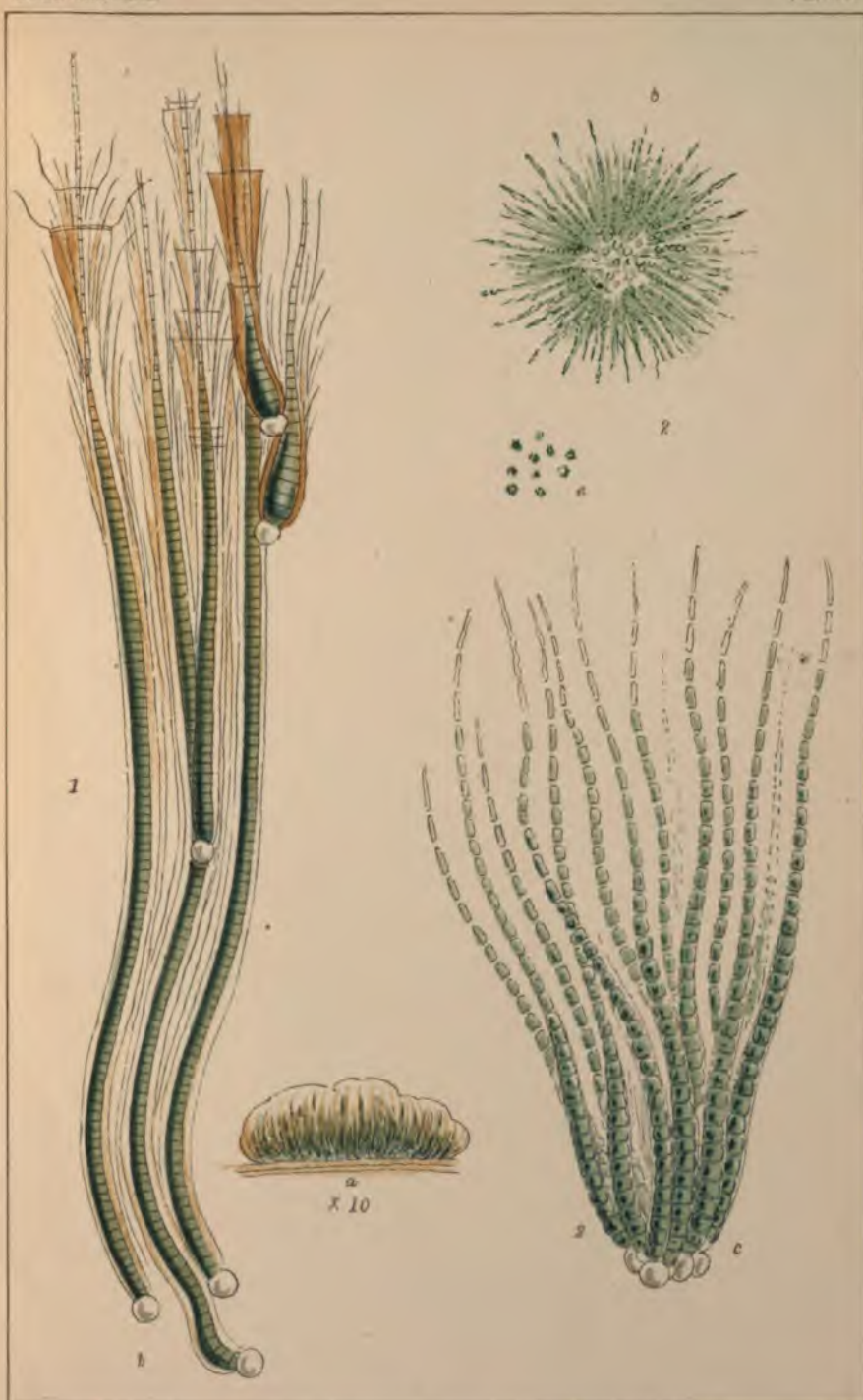


1. *Calothrix Orsiniana*, Thur.

2. *Calothrix Dilwynii*, Berk.



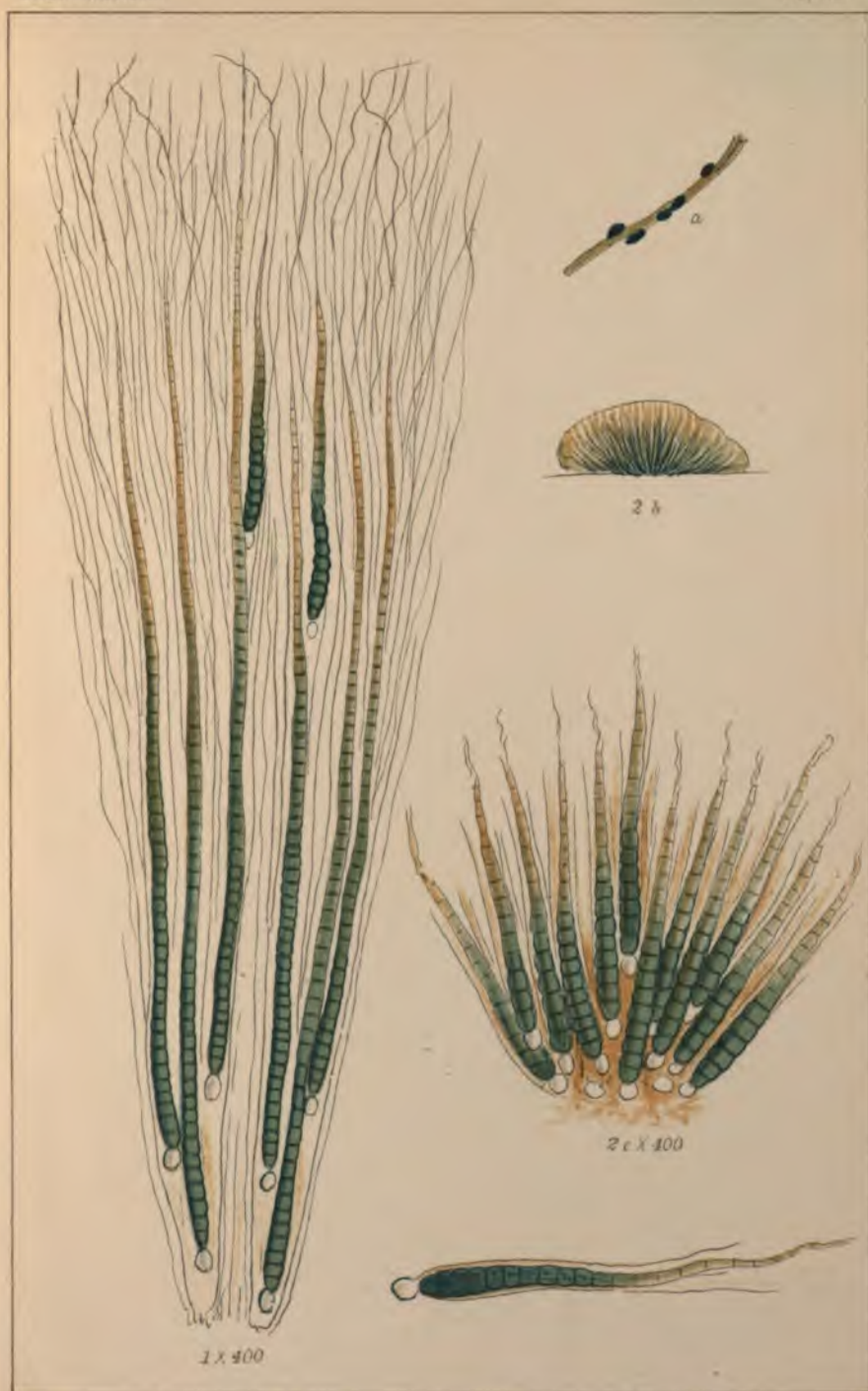




1. *Isactis plana*. Thur.

2. *Ricularia echinata*. (Eng. Bot.)





1. *Rivularia granulifera*. Carn.

2. *Rivularia dura*. Kütz.





1. *Glaotrichia natans*. Thur.

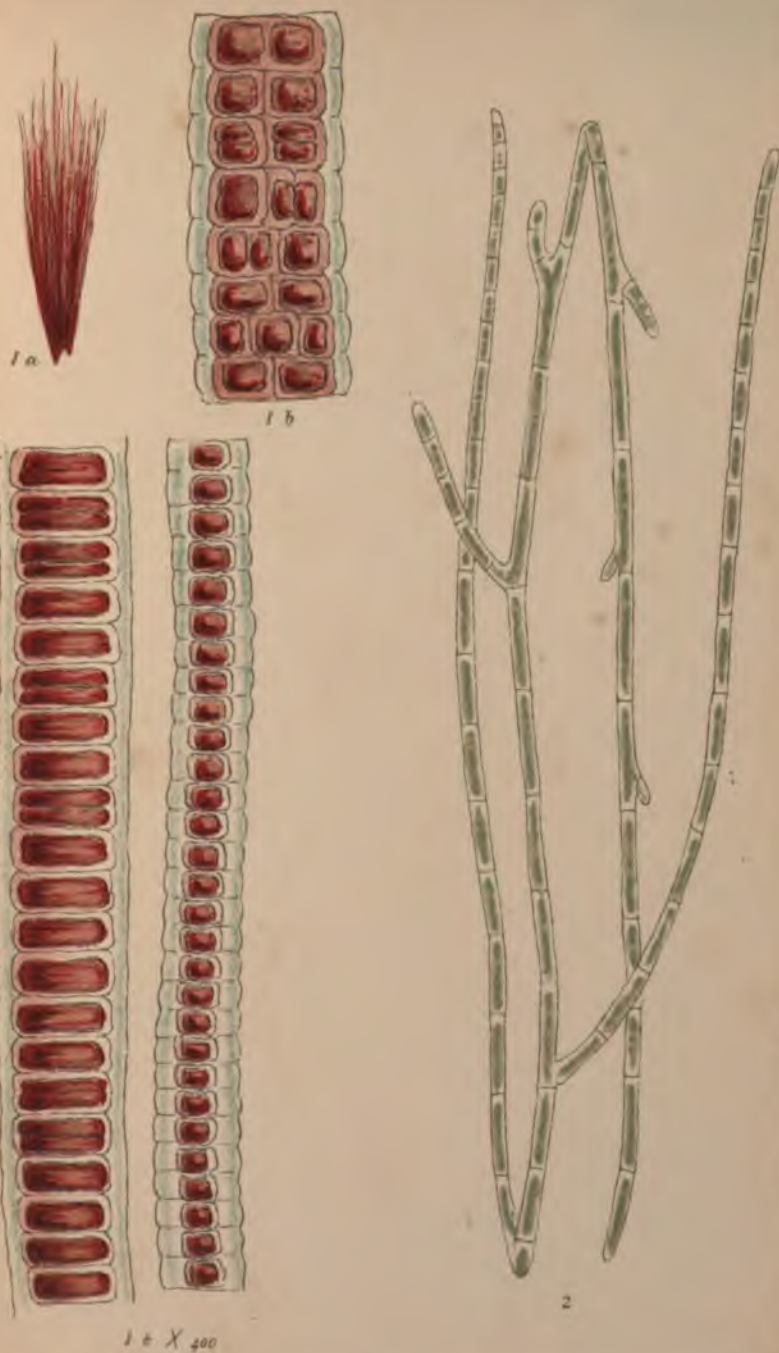
2. *Glaotrichia pisum*. (Ag.)

3. *Rivularia calcarea*. Eng. Bot.



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1. *Bangia atropurpurea*. (Dillw.)2. *Chantrania scotica*. Kütz





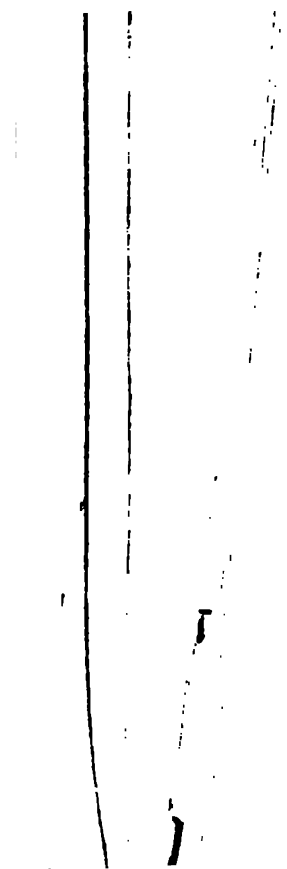


1. *Chantrelia violacea*. D By

2. *Chantrelia Hermannii*. Desv.

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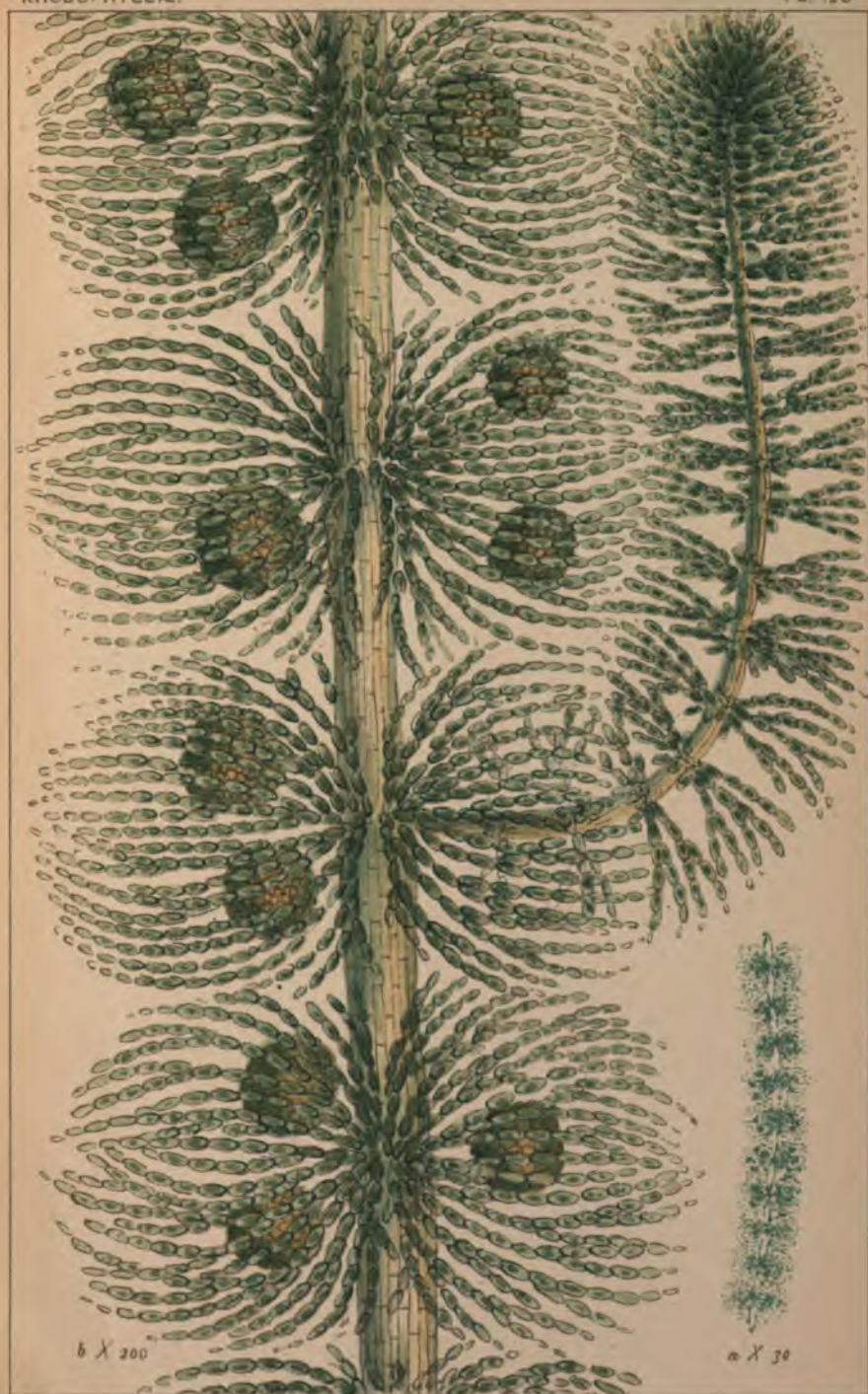
1. *Chantransia investiens* Kütz. 2. *Chantransia pygmaea* Kütz.
3. *Chantransia chalybea* Lyngh





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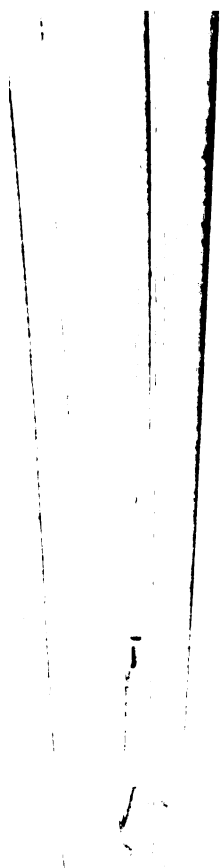




b X 200

a X 30

Batrachospermum moniliforme. Roth.



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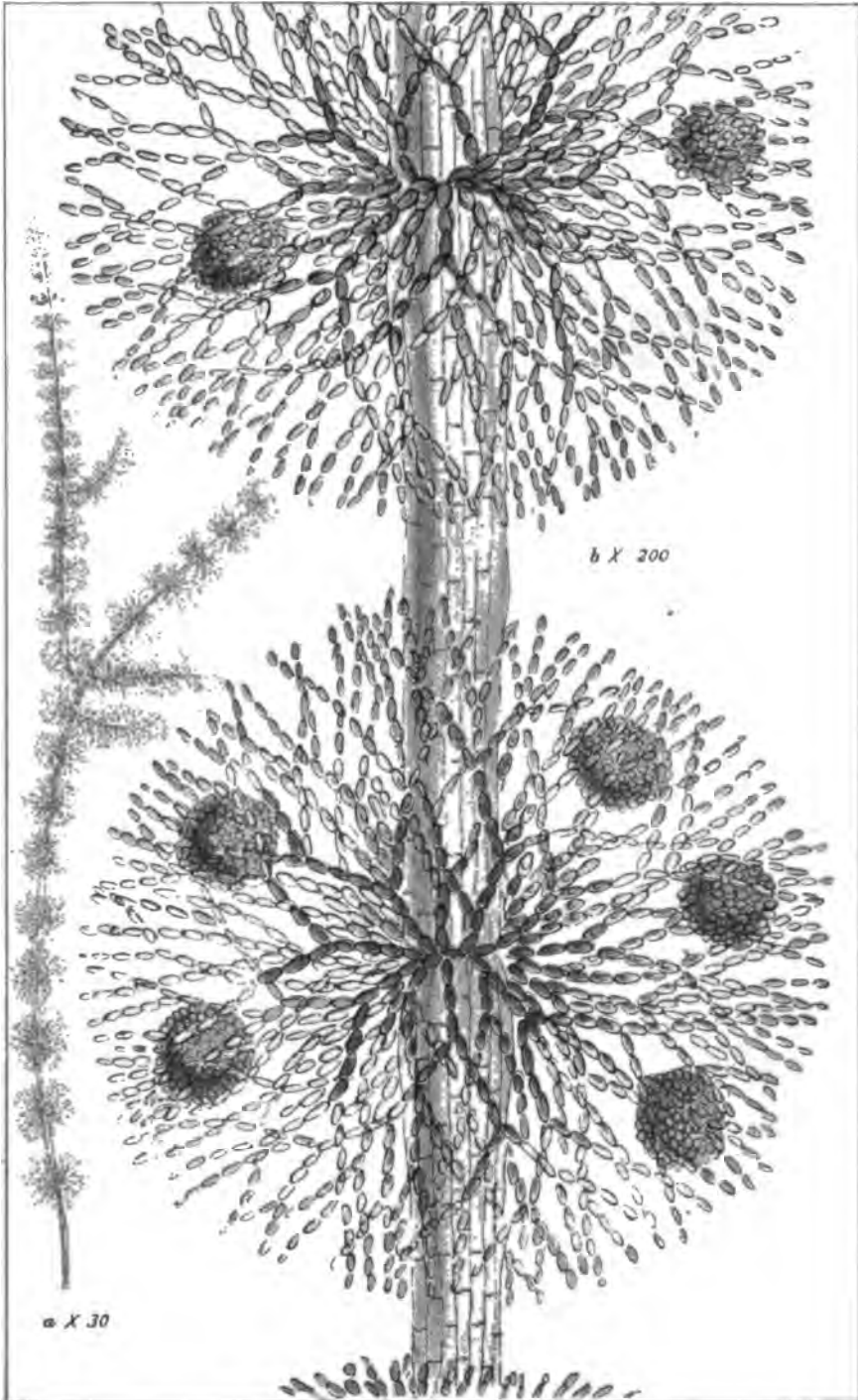
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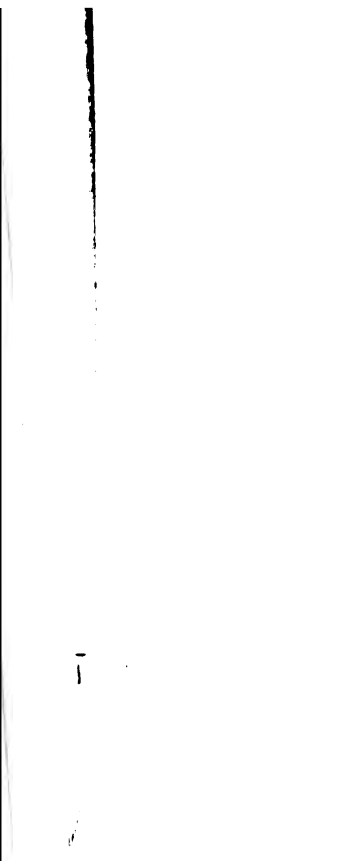
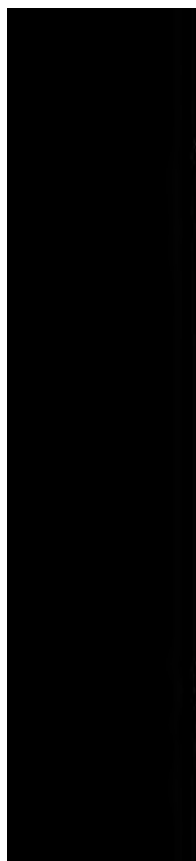
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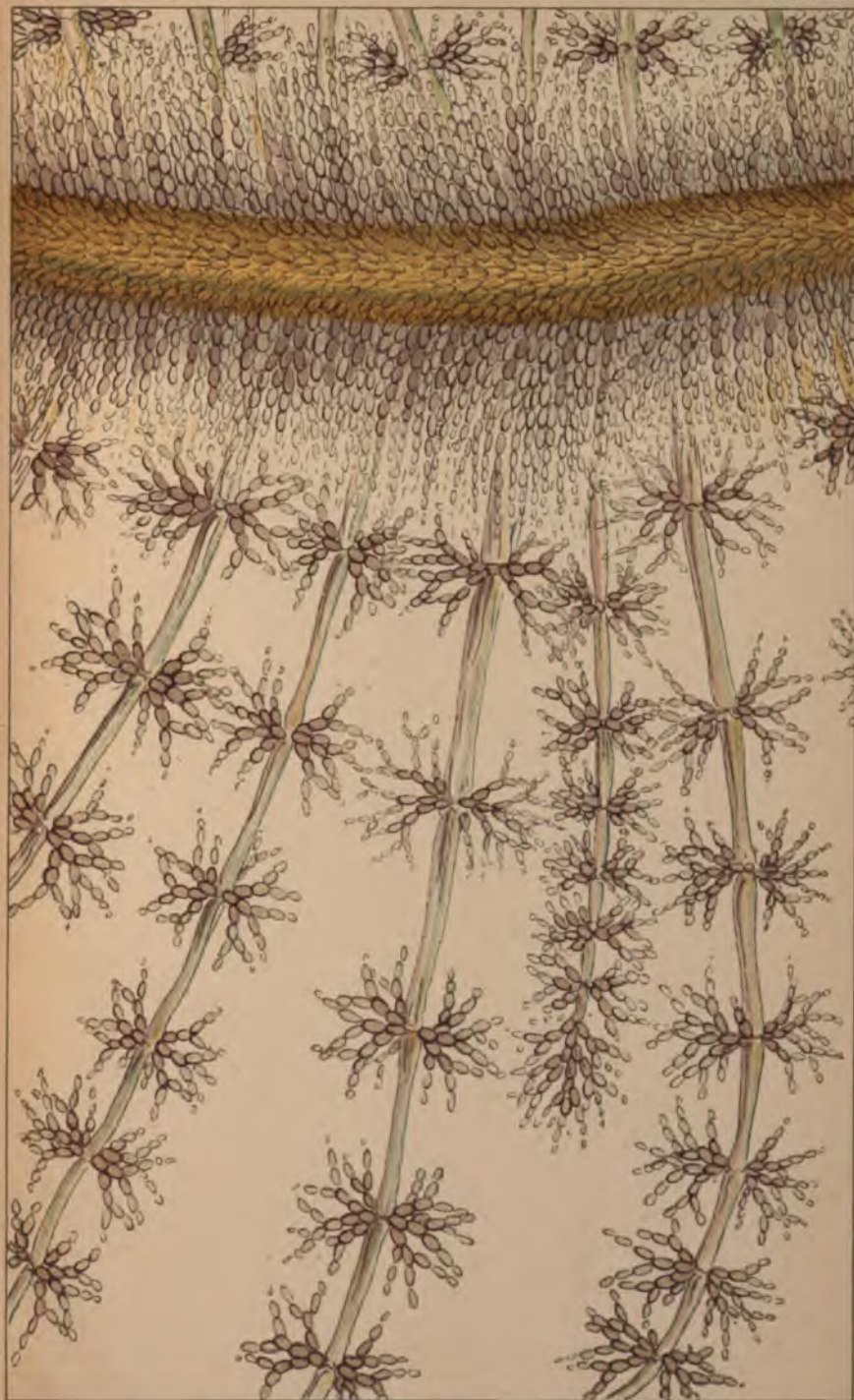




Batrachospermum moniliforme. Roth. var. *pulcherrimum*. Bory.







Batrachospermum moniliforme. Roth. var. *proliferum*, Carm.

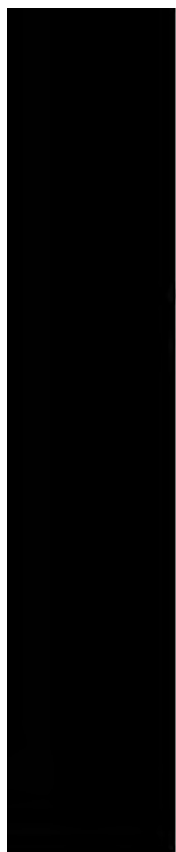
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3. The third part of the document is a list of names.

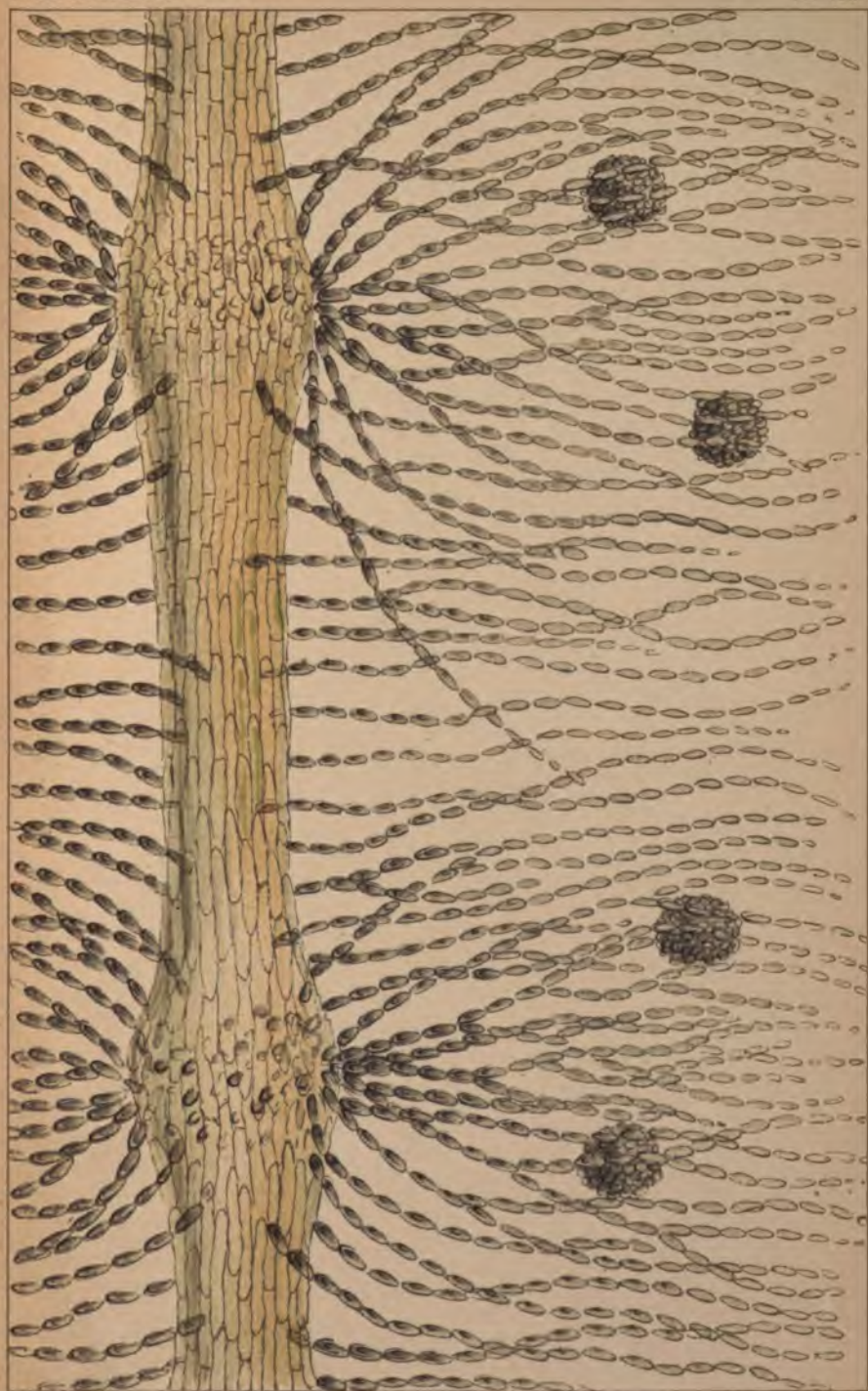




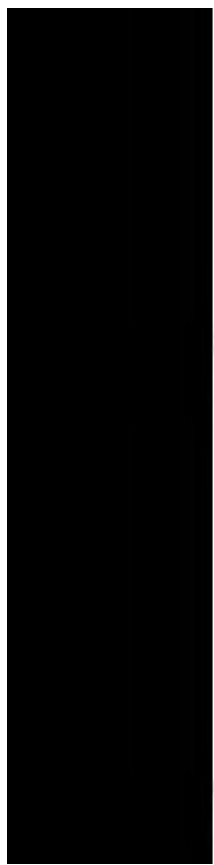


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Batrachospermum moniliforme. Roth. var. *confusum*. Hass.

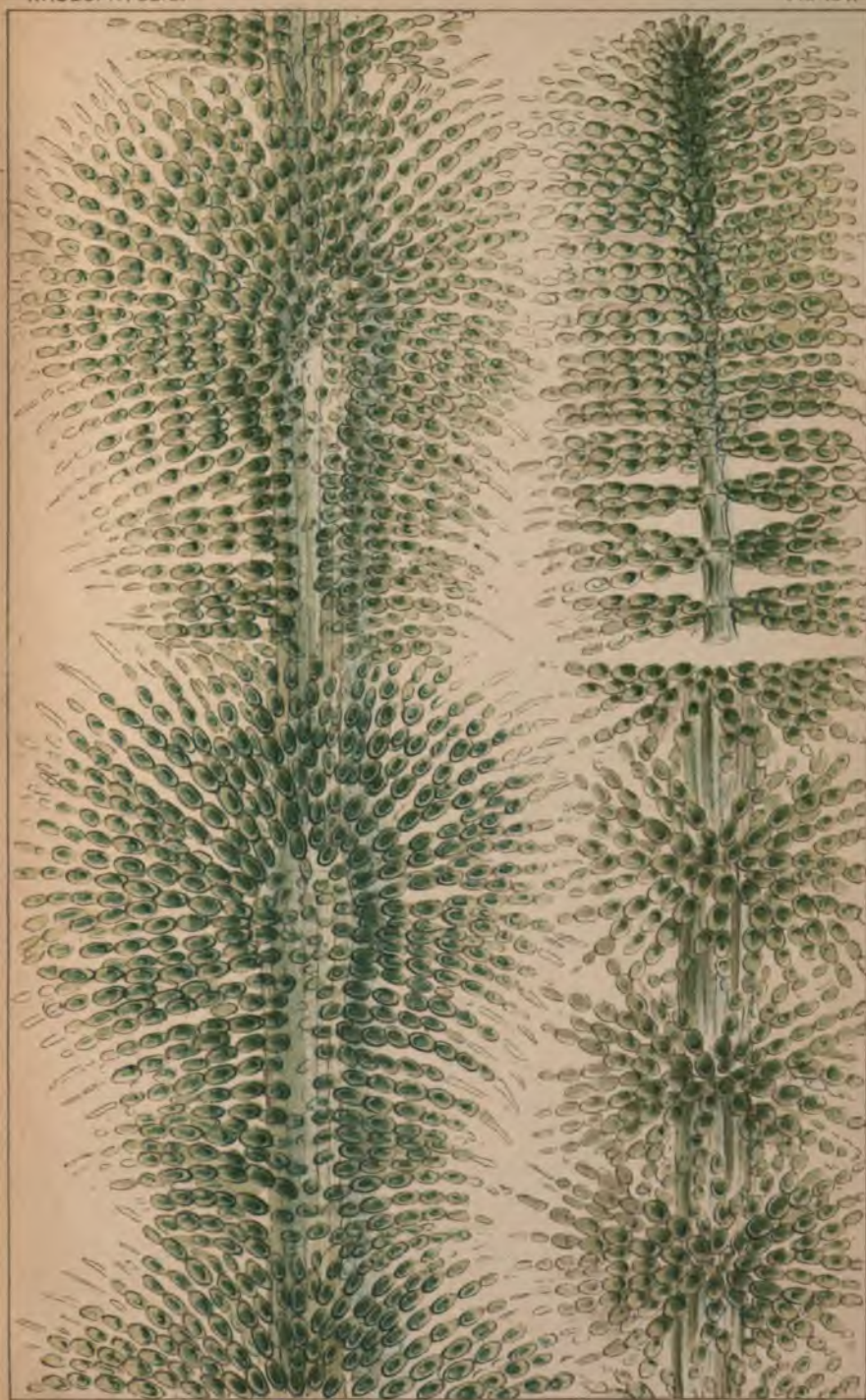






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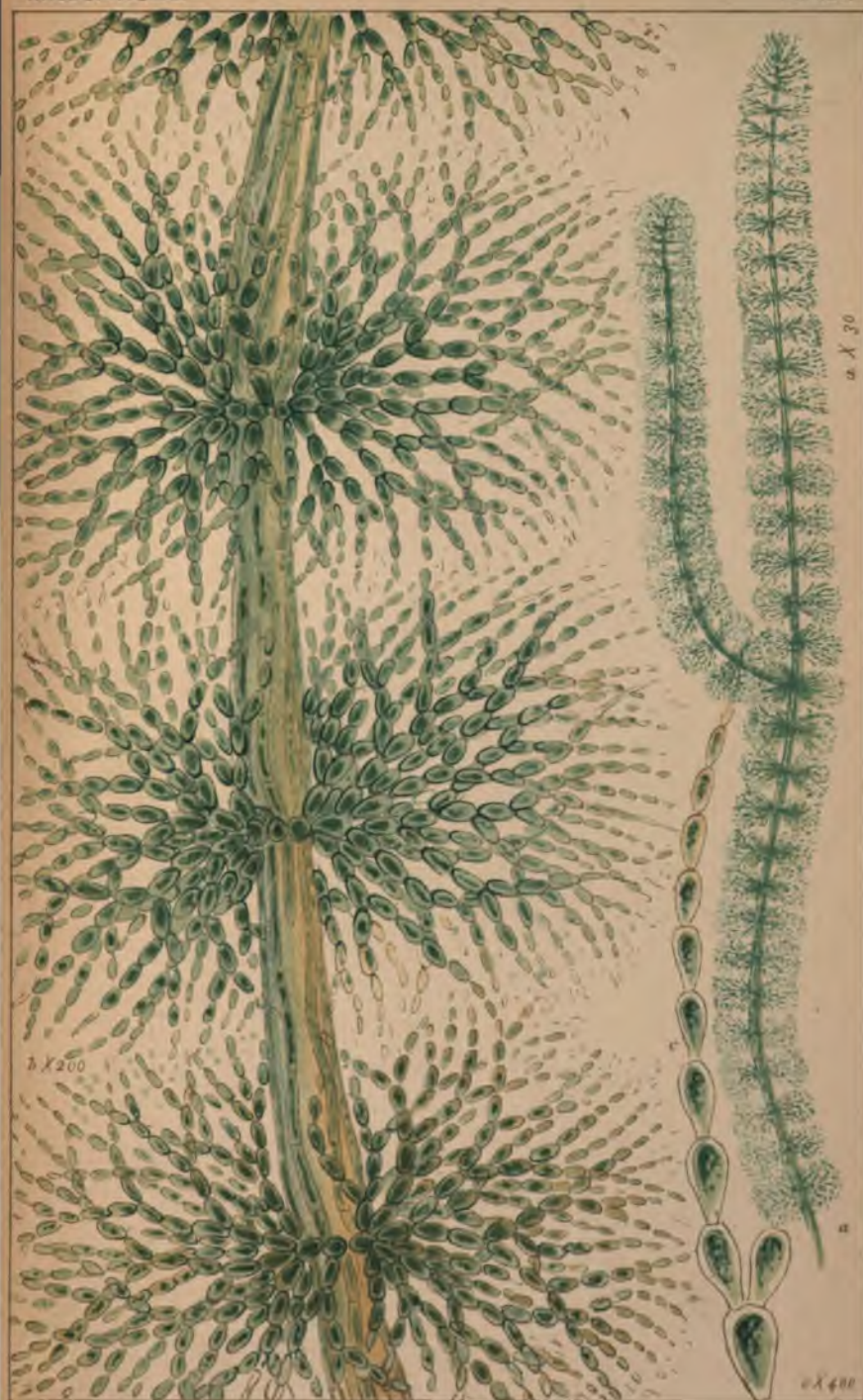


Batrachospermum moniliforme. var. *Boltoni*.





1.



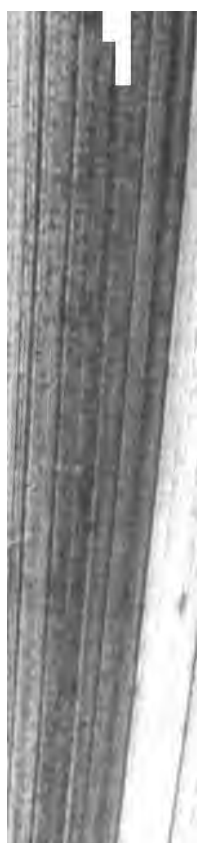
Batrachospermum vagum. var. *keratophytum*.

1

2





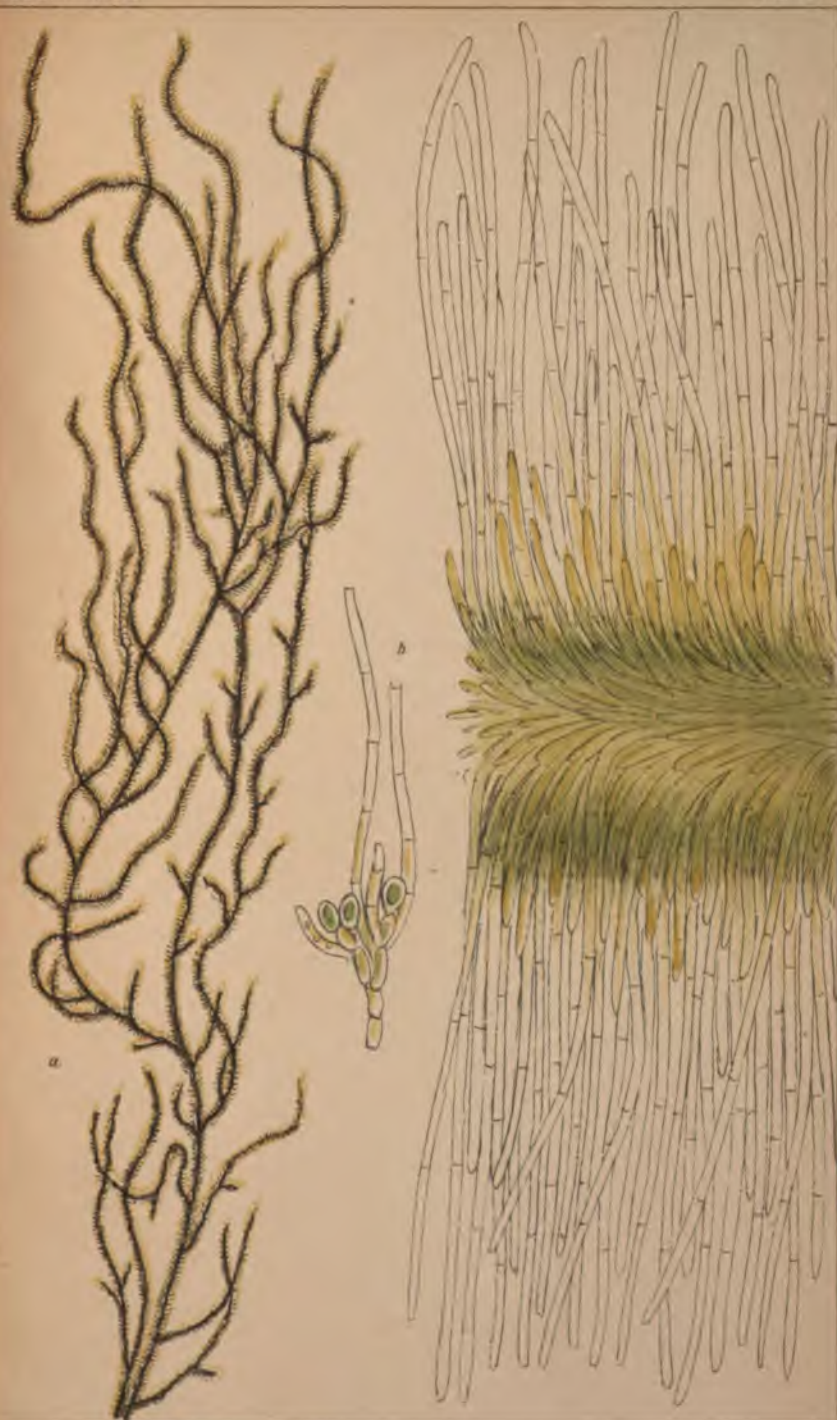


1. *Batrachospermum atrum*. Harvey.2. *Batrachospermum Dillenii*. Bory.



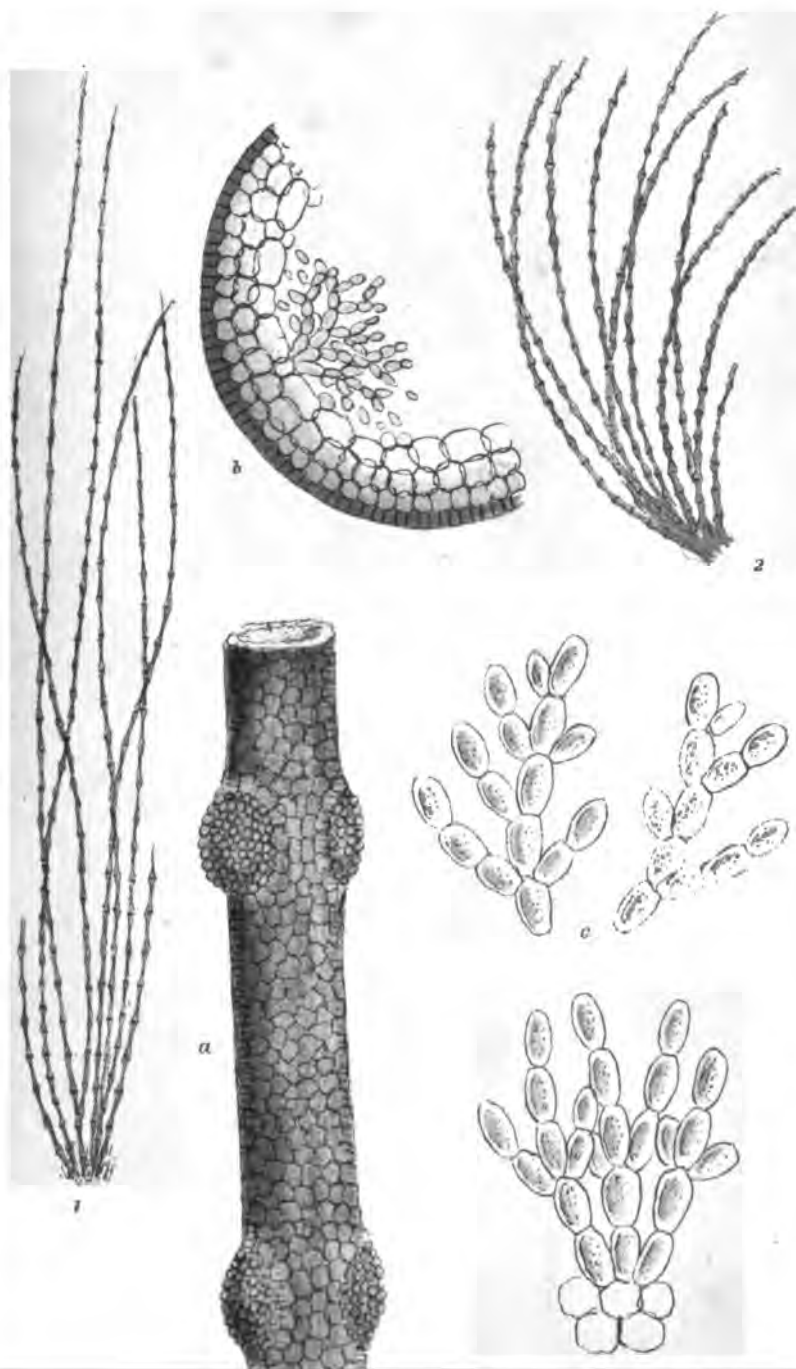




*Thorea ramosissima. Bory.*



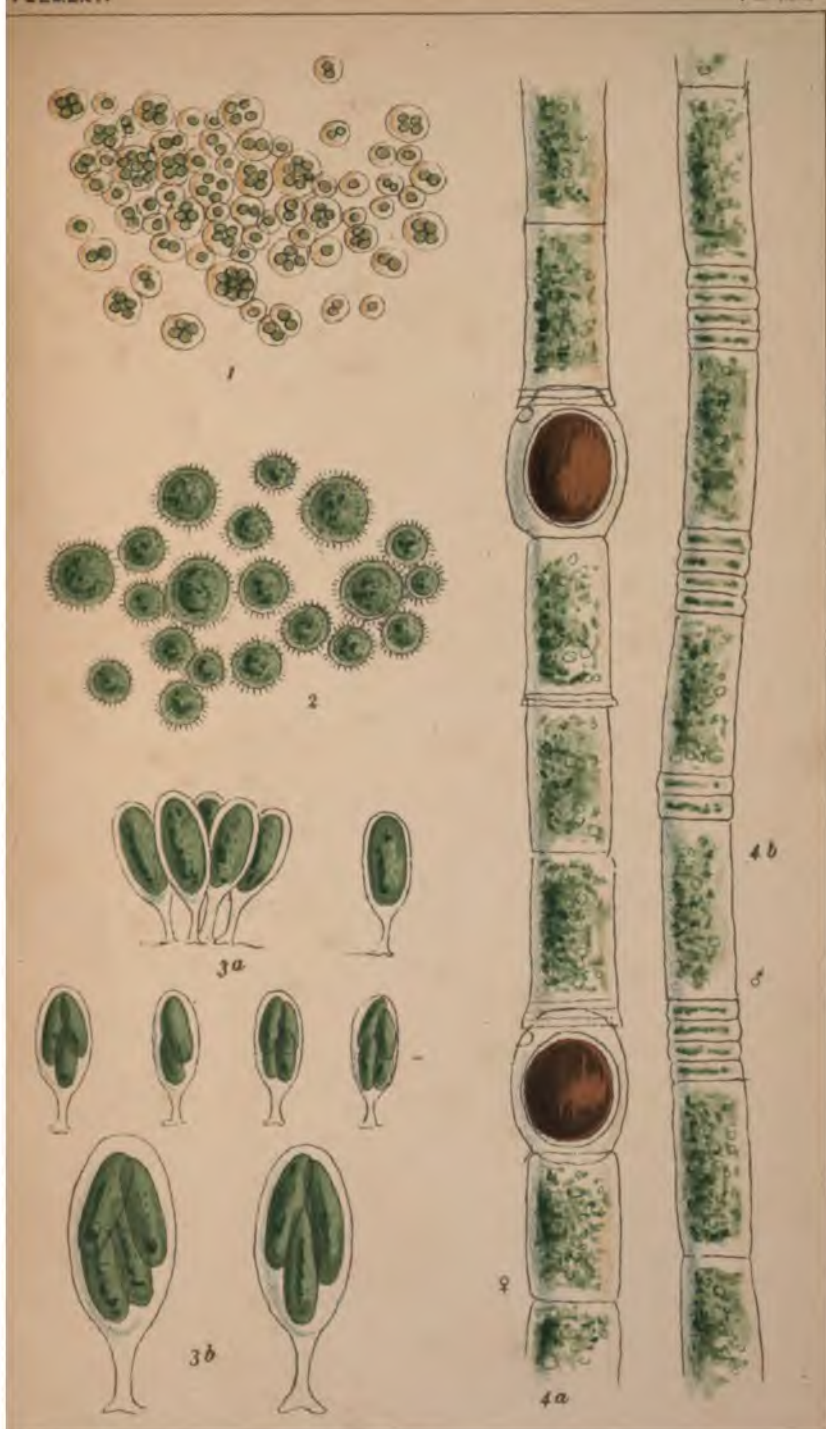


*1. Lemanea fluviatilis. Ag.**2. Lemanea torulosa. (Roth.)*







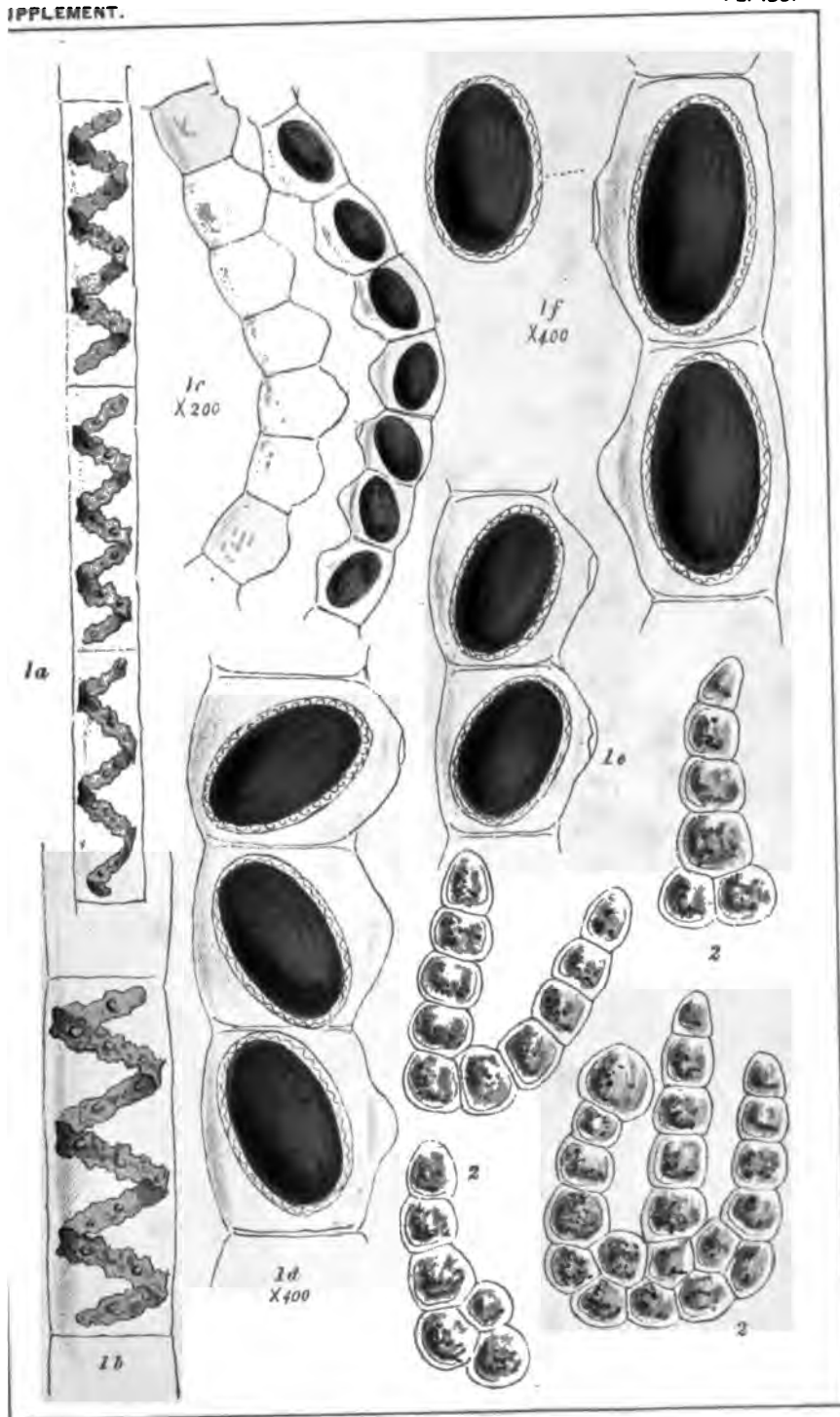


1. *Pleurococcus bituminosus*, Bory. 2. *Pleurococcus vestitus*, Rein.
3. *Dactylococcus Debaryanus*, Rein. 4. *Edogonium capilliforme*, Kütz.









1. *Spirogyra velata*, Nordst.

2. *Chroolepus umbrinum*, Kutz.



